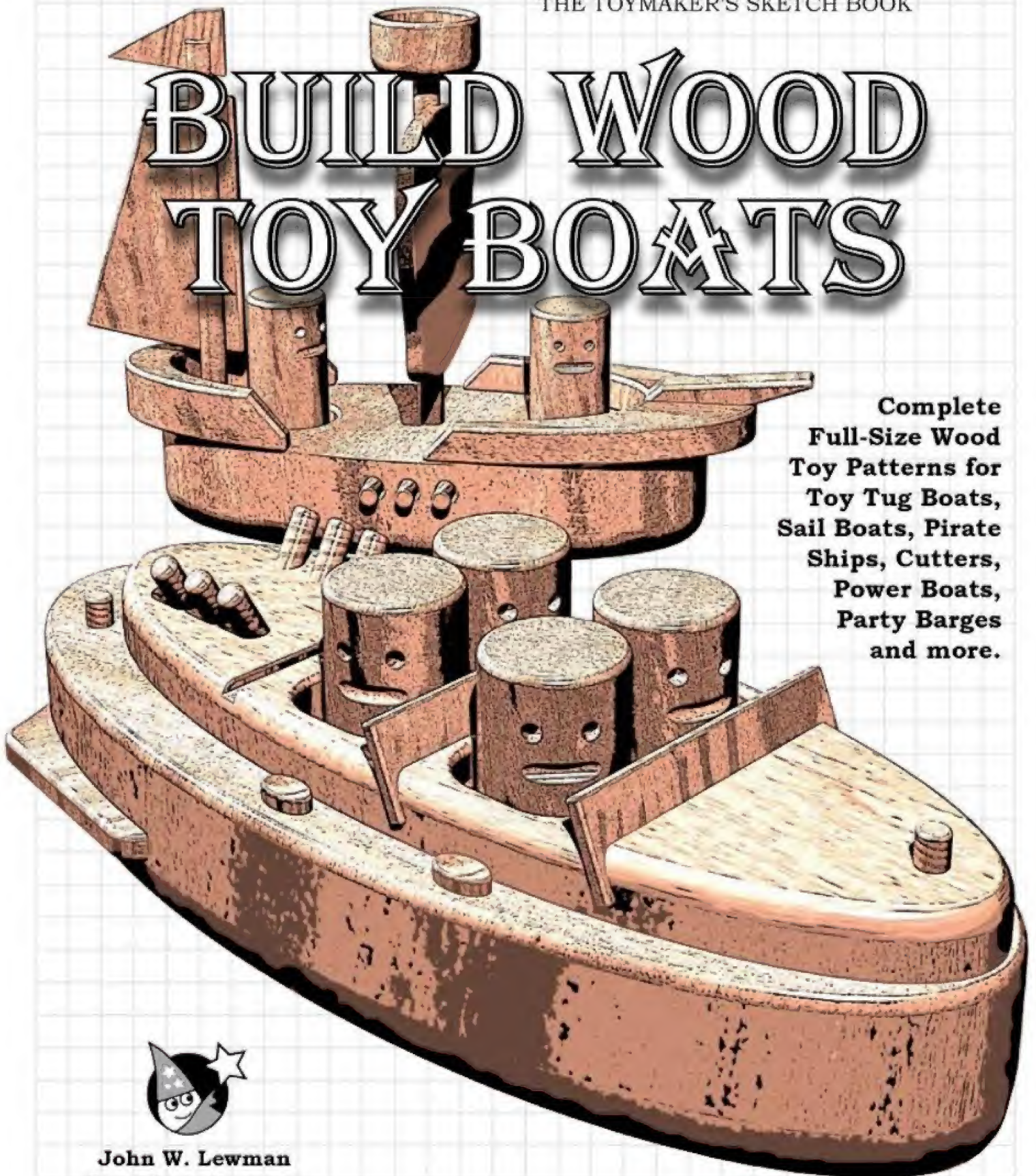


THE TOYMAKER'S SKETCH BOOK

# BUILD WOOD TOY BOATS

**Complete  
Full-Size Wood  
Toy Patterns for  
Toy Tug Boats,  
Sail Boats, Pirate  
Ships, Cutters,  
Power Boats,  
Party Barges  
and more.**



**John W. Lewman  
Cynthia A. Lewman**





From Russia with love

# Puika

## BUILD WOOD TOY BOATS

COMPLETE FULL-SIZE WOOD TOY PATTERNS  
FOR TOY TUG BOATS, SAIL BOATS, PIRATE SHIPS,  
CUTTERS, POWER BOATS, PARTY BARGES AND MORE.

**Toymaker Press, Inc.** is dedicated to providing you with the information and plan sets you need to develop your skills as a toymaker. We welcome your comments and any suggestions about this collection of toy plans.

Email: [johnlewman@toymakerpress.com](mailto:johnlewman@toymakerpress.com)

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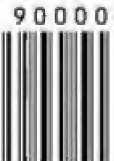
John W. Lewman  
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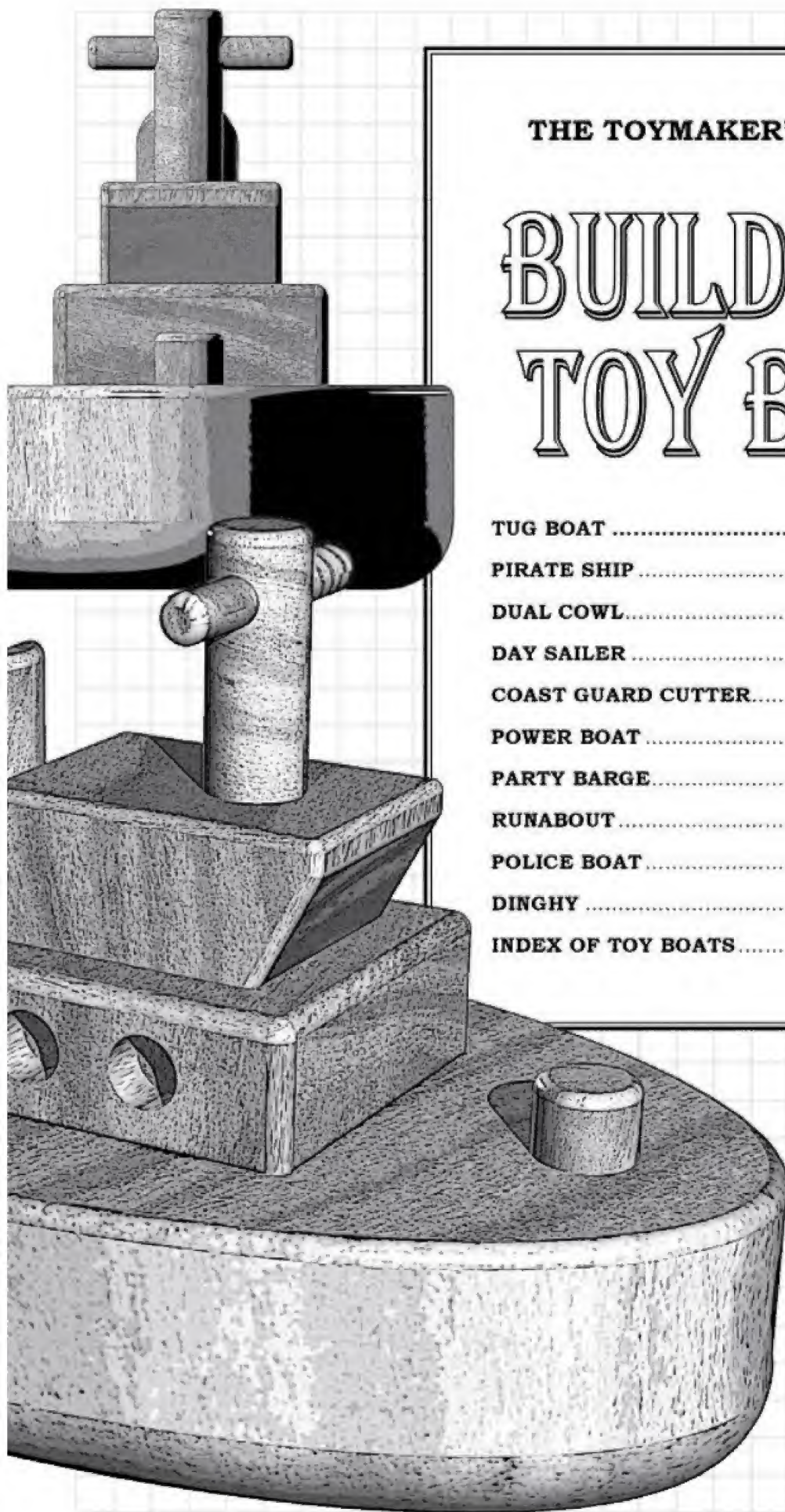
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## THE TOYMAKER'S SKETCH BOOK

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**Complete Full-  
Size Wood Toy  
Patterns for Toy  
Tug Boats, Sail  
Boats, Pirate  
Ships, Cutters,  
Power Boats,  
Party Barges  
and more.**



# ROYALTY FREE TOY BOAT PLANS

Toys built from the toy plans and patterns in this book are royalty free. You can build as many toys as you like for either personal or commercial purposes.\*

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**POLICE  
BOAT  
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BOAT  
PAGE 34**

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**DUAL COWL**  
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**PAGE 6**

**COAST  
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**PAGE 28**

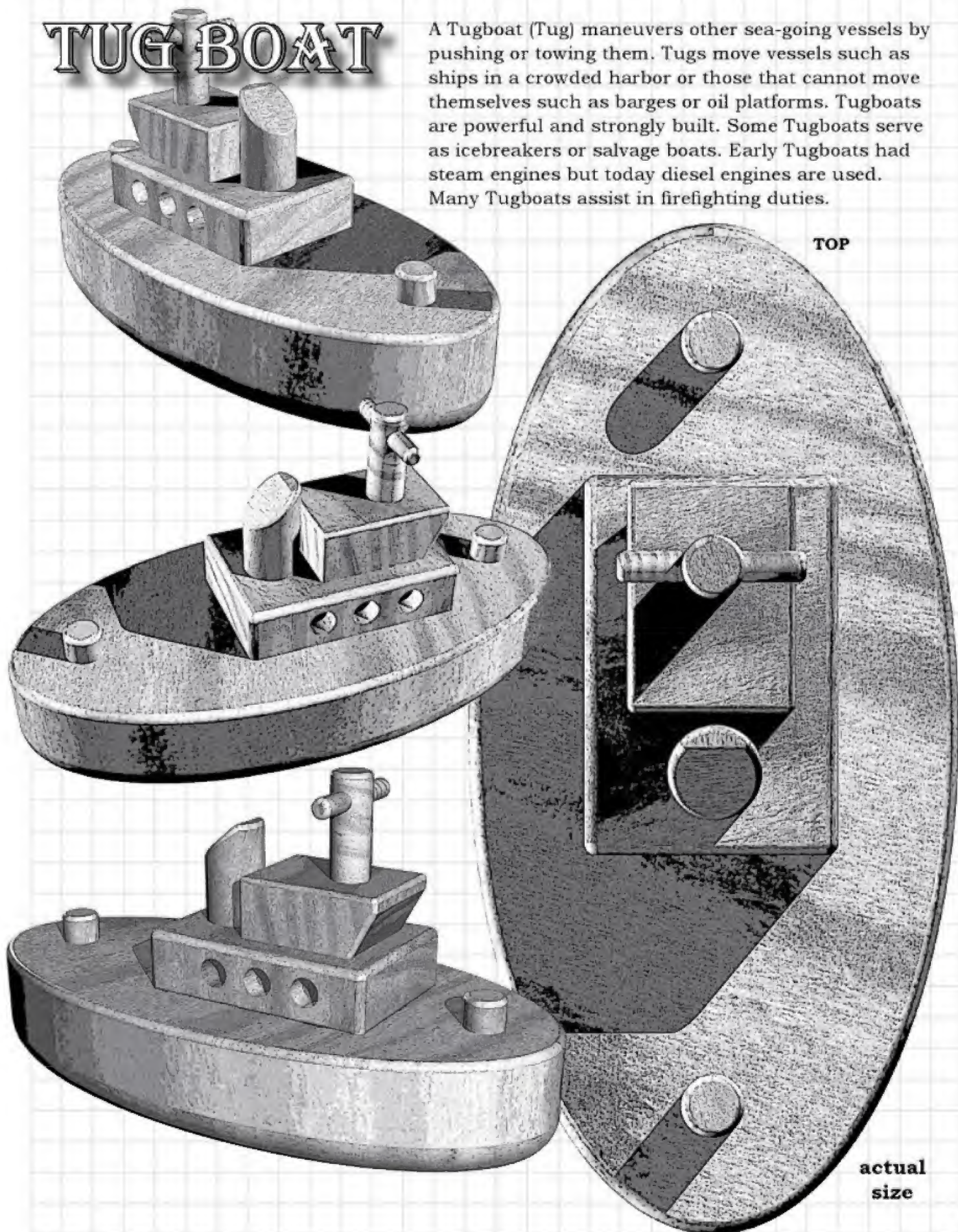
**DAY SAILER**  
**PAGE 22**

**PIRATE SHIP**  
**PAGE 10**



# TUG BOAT

A Tugboat (Tug) maneuvers other sea-going vessels by pushing or towing them. Tugs move vessels such as ships in a crowded harbor or those that cannot move themselves such as barges or oil platforms. Tugboats are powerful and strongly built. Some Tugboats serve as icebreakers or salvage boats. Early Tugboats had steam engines but today diesel engines are used. Many Tugboats assist in firefighting duties.

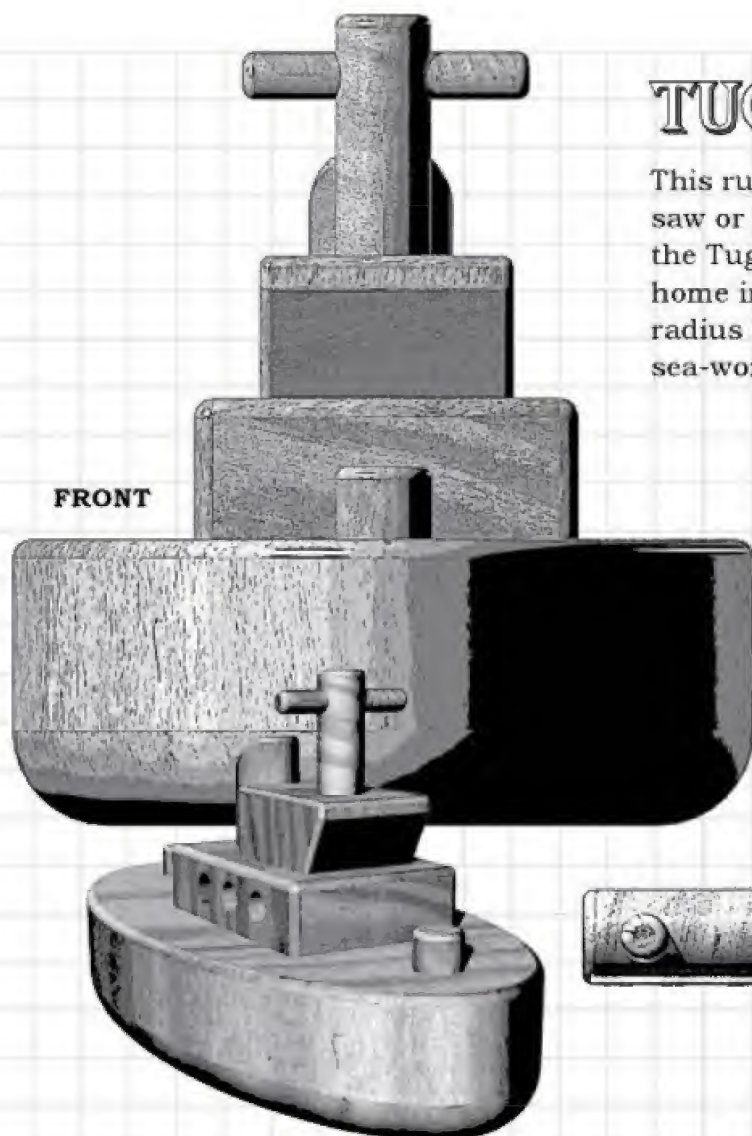




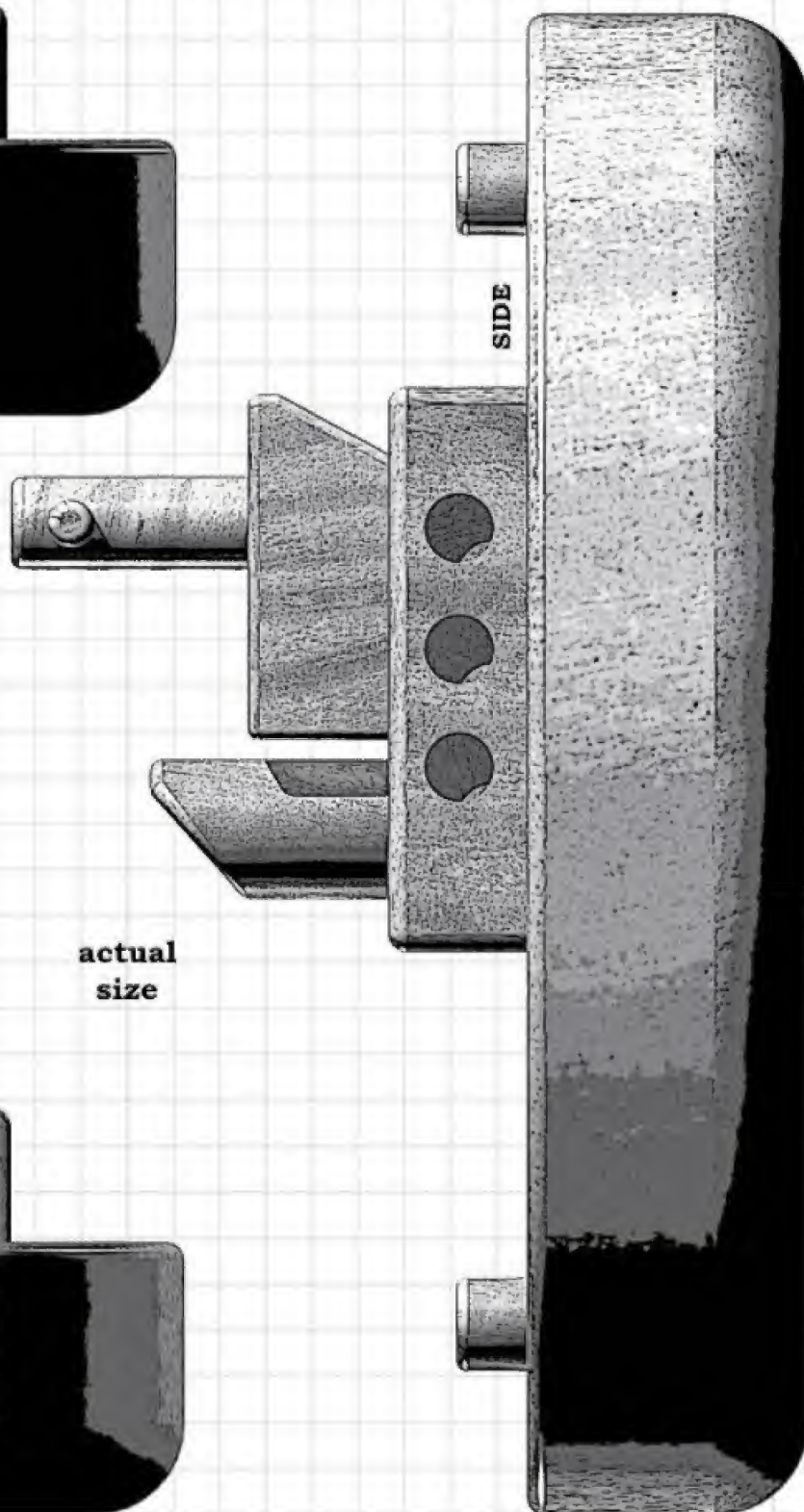
# TUG BOAT

This rugged little Tug can be crafted with a saber saw or scroll saw and a hand or power drill. Build the Tug Boat from pine or white wood found at any home improvement store. Finish by adding a soft radius to each edge and applying several coats of sea-worthy clear non-toxic polyurethane enamel.

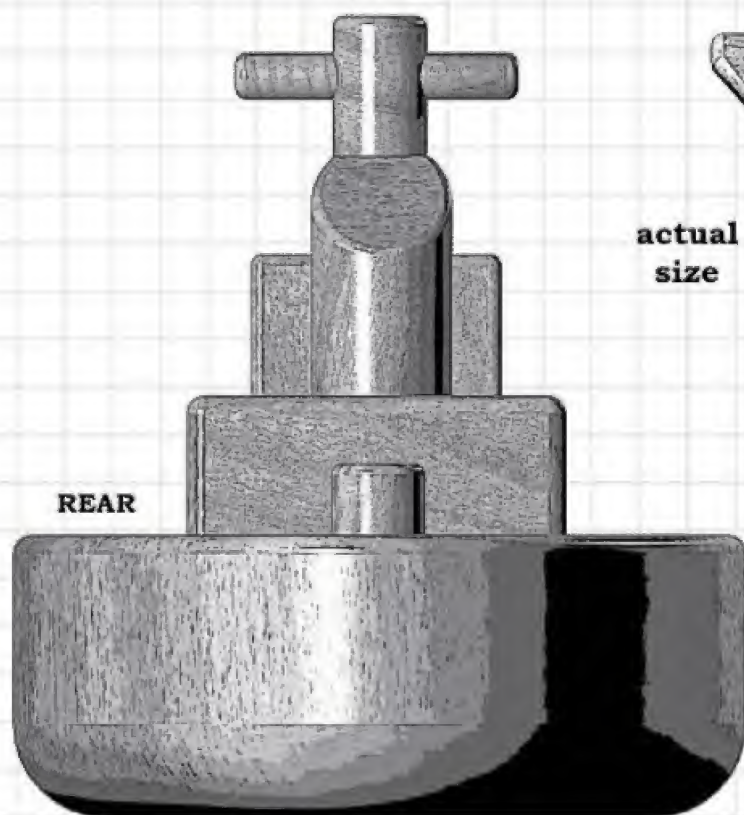
FRONT



SIDE

actual  
size

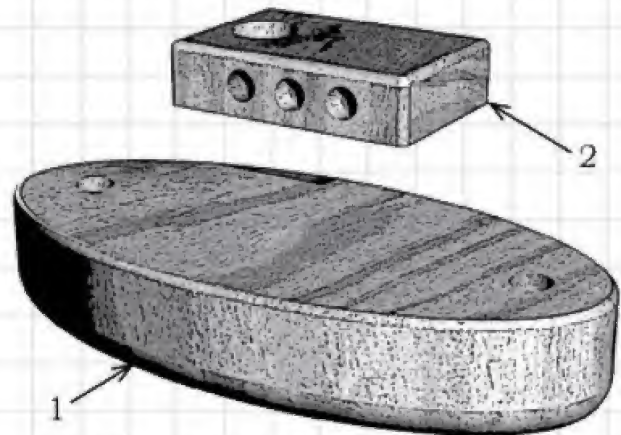
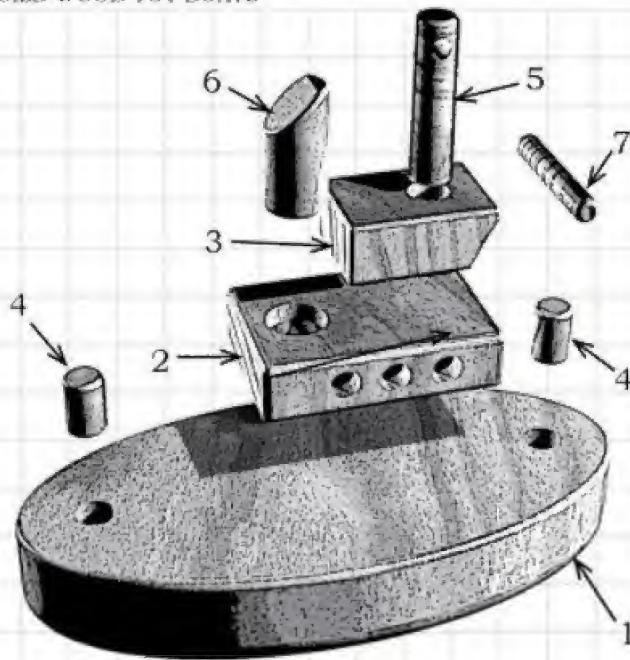
REAR



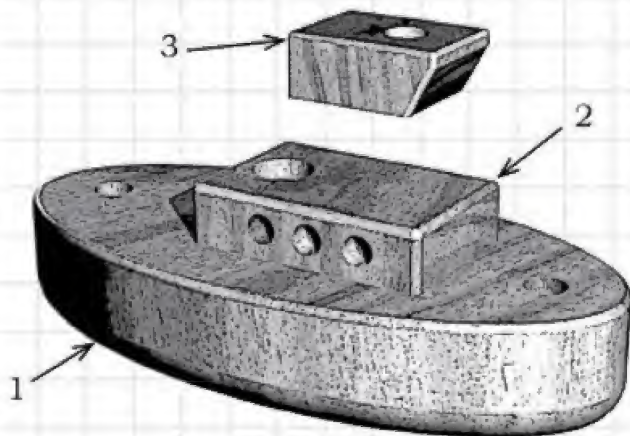


**NOTE: Add radius to edges with sandpaper or router.**

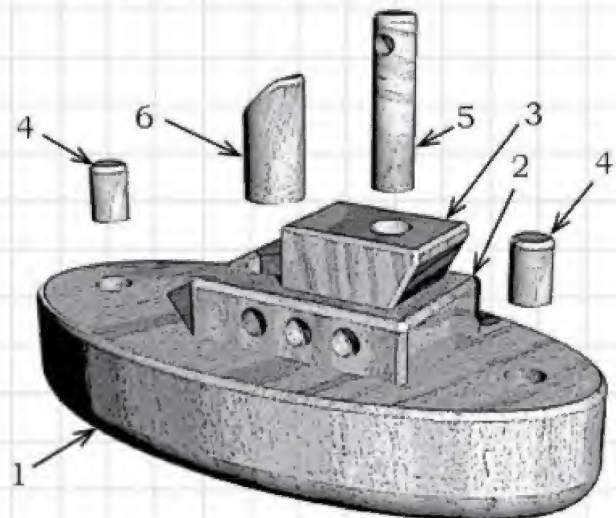
**BUILD WOOD TOY BOATS**



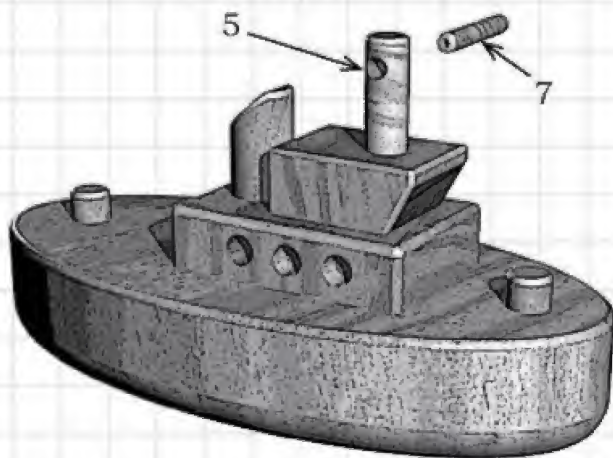
1. Add woodworker's white glue to bottom of Part 2. Press Part 2 into place on Part 1. Let assembly dry before proceeding.



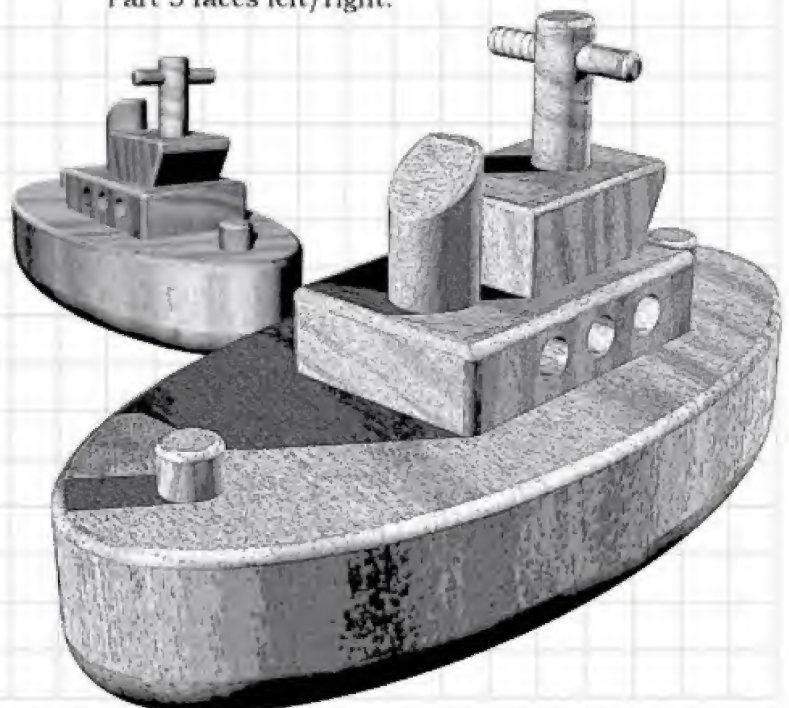
2. Apply woodworker's white glue to Part 3 and place into position on Part 2 as shown above. Let dry before proceeding.



3. Apply woodworker's white glue to ends of each Part 4 and apply glue to ends of Part 5 and Part 6. Insert each part into holes in Part 1, 2 & 3. Hole in Part 5 faces left/right.



4. Apply woodworker's white glue to middle of Part 7. Press Part 7 into position into Part 5 of the assembly as shown above. Let dry.

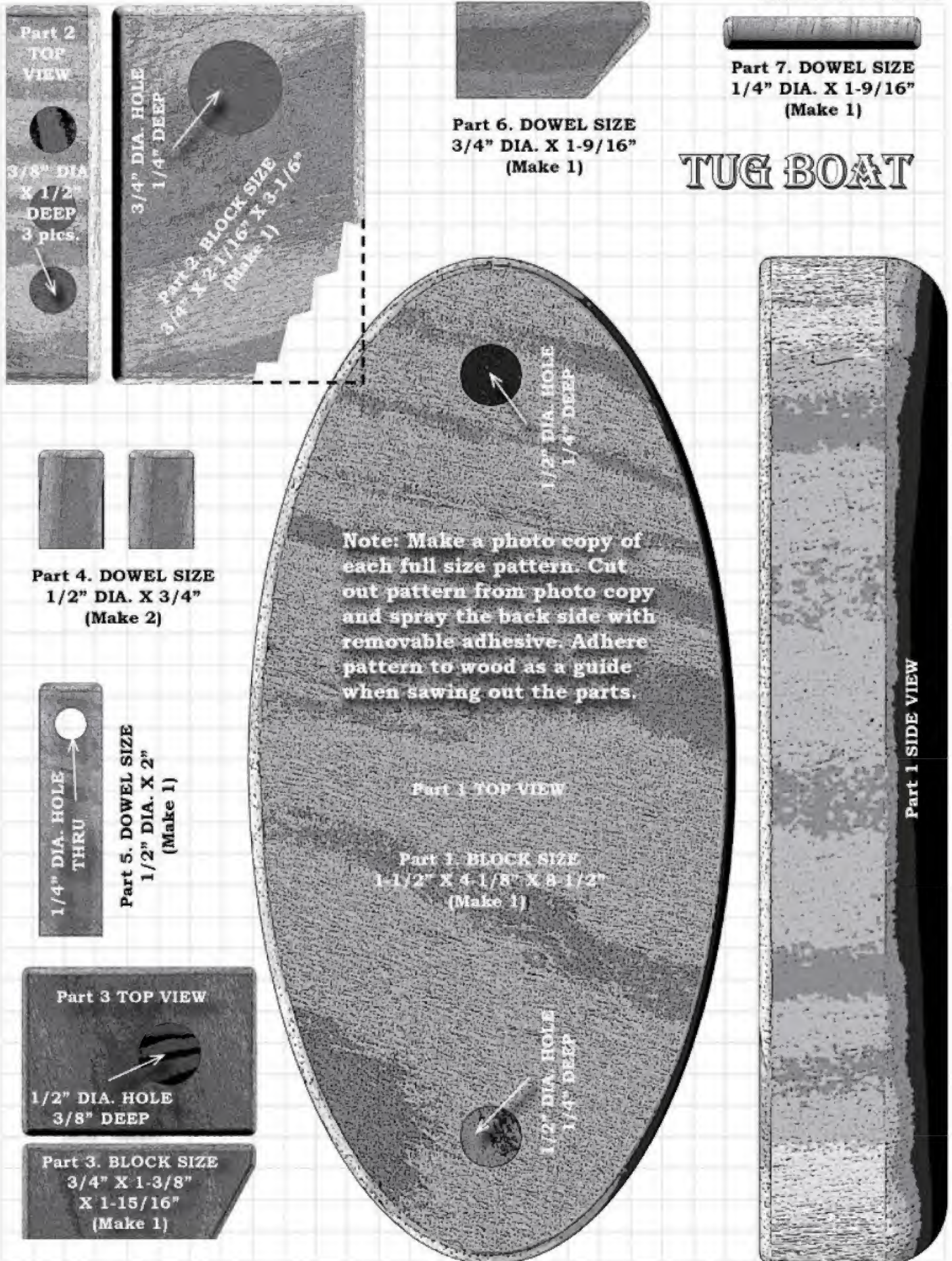


# TUG BOAT



**NOTE: Patterns shown are full size.**

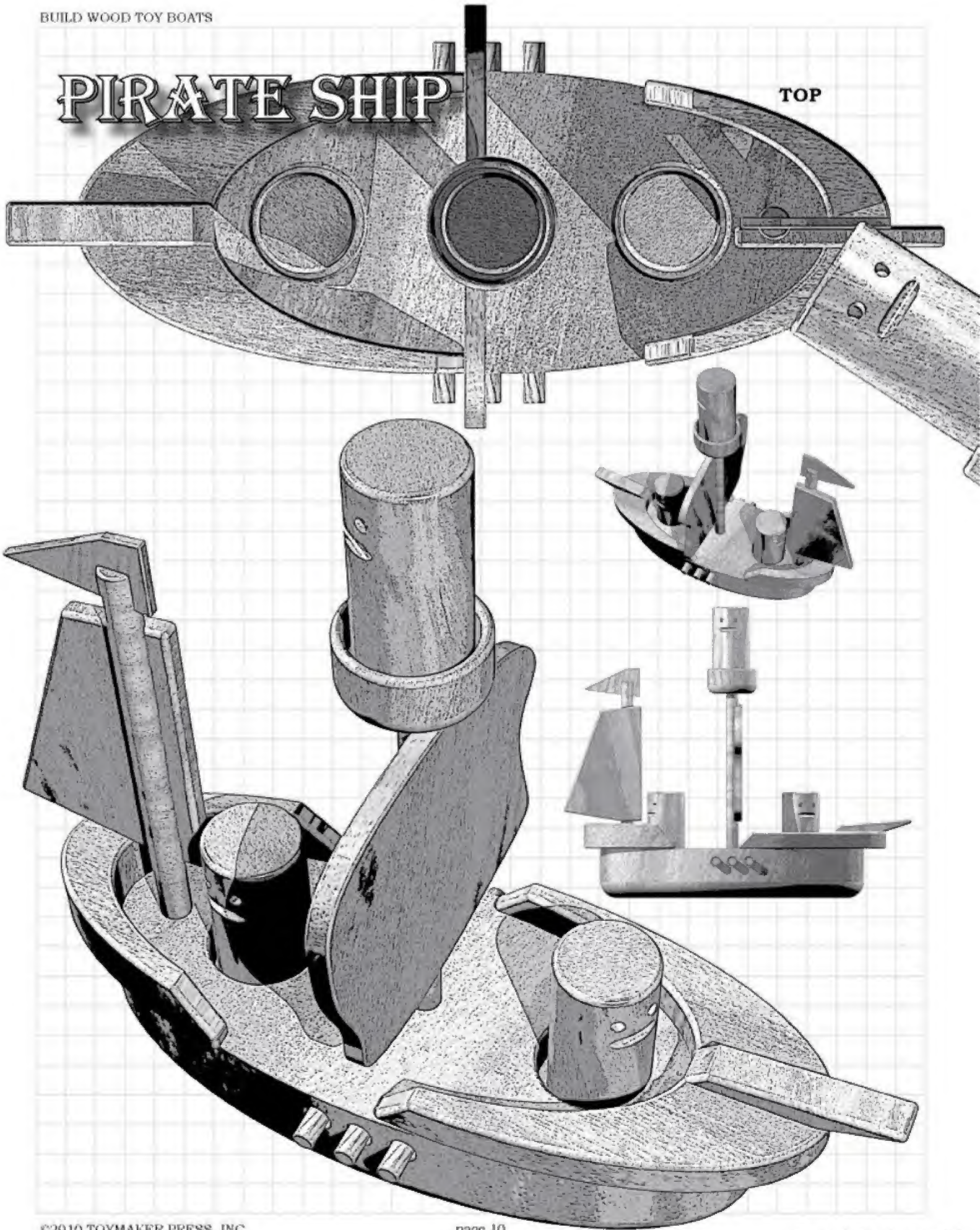
BUILD WOOD TOY BOATS





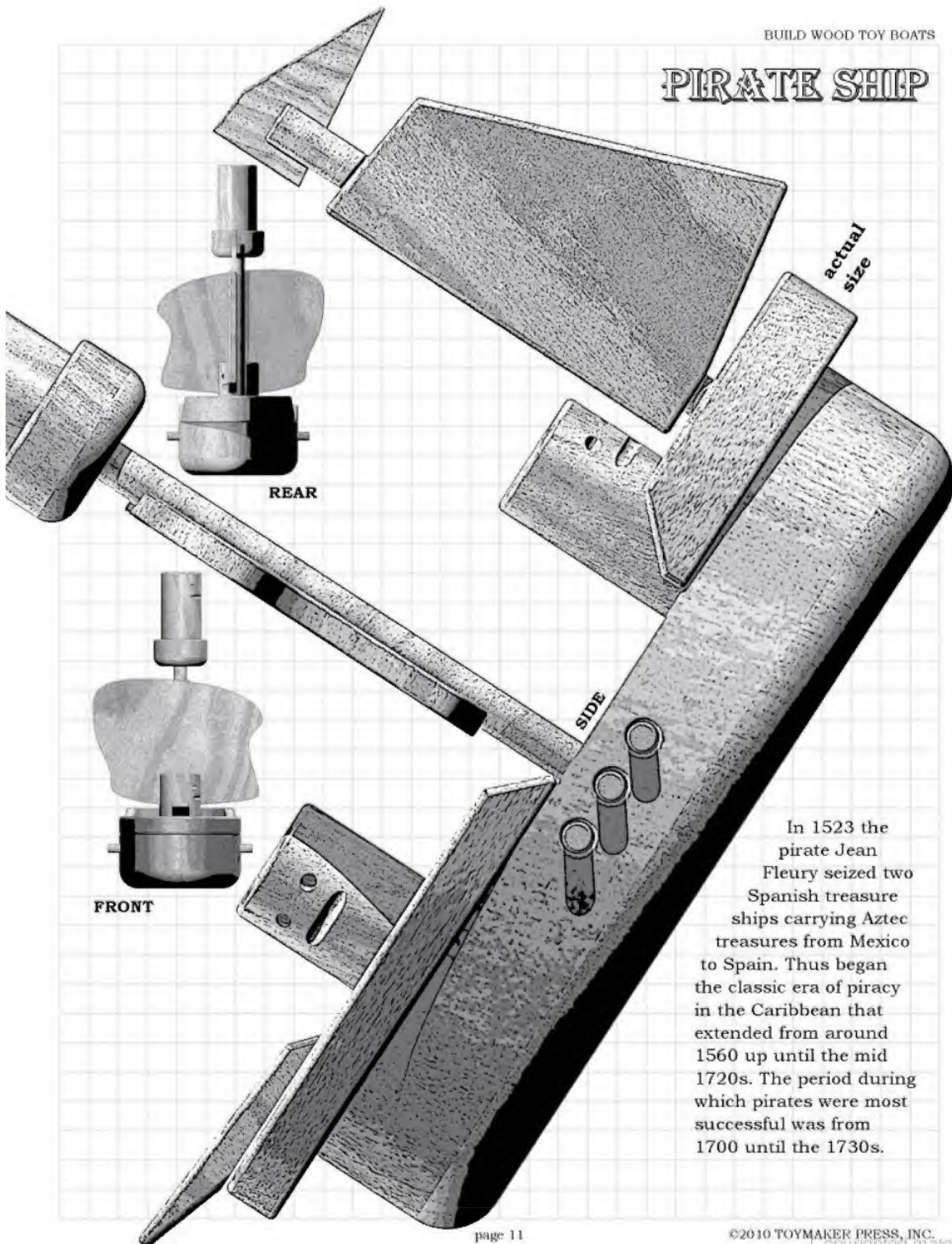
# PIRATE SHIP

TOP





# PIRATE SHIP



REAR

actual  
size

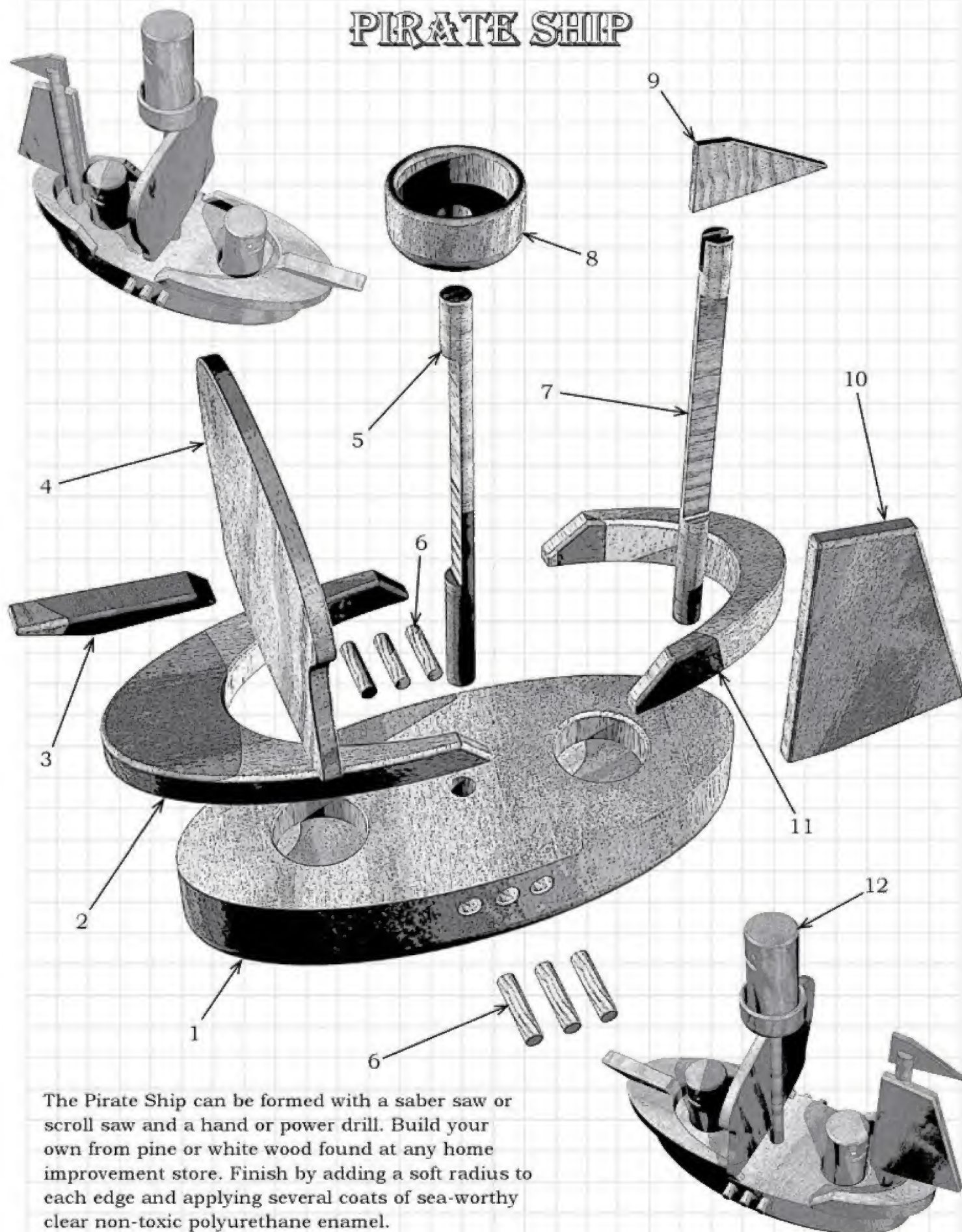
SIDE

FRONT

In 1523 the pirate Jean Fleury seized two Spanish treasure ships carrying Aztec treasures from Mexico to Spain. Thus began the classic era of piracy in the Caribbean that extended from around 1560 up until the mid 1720s. The period during which pirates were most successful was from 1700 until the 1730s.



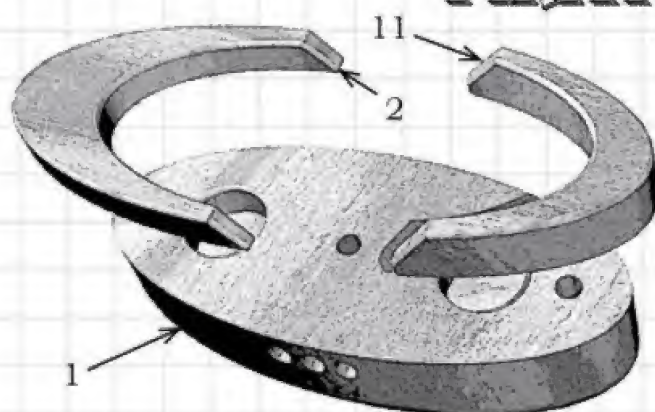
# PIRATE SHIP



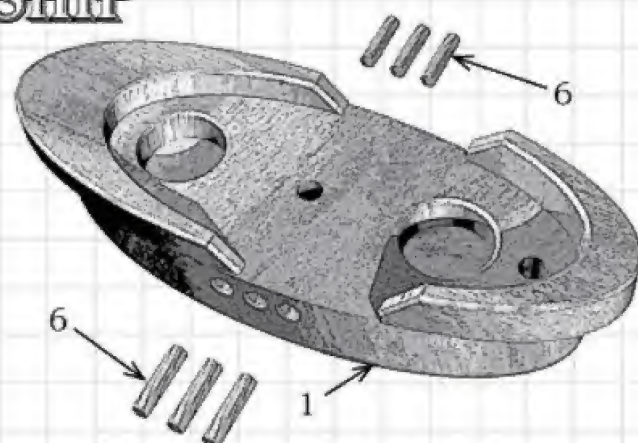
The Pirate Ship can be formed with a saber saw or scroll saw and a hand or power drill. Build your own from pine or white wood found at any home improvement store. Finish by adding a soft radius to each edge and applying several coats of sea-worthy clear non-toxic polyurethane enamel.



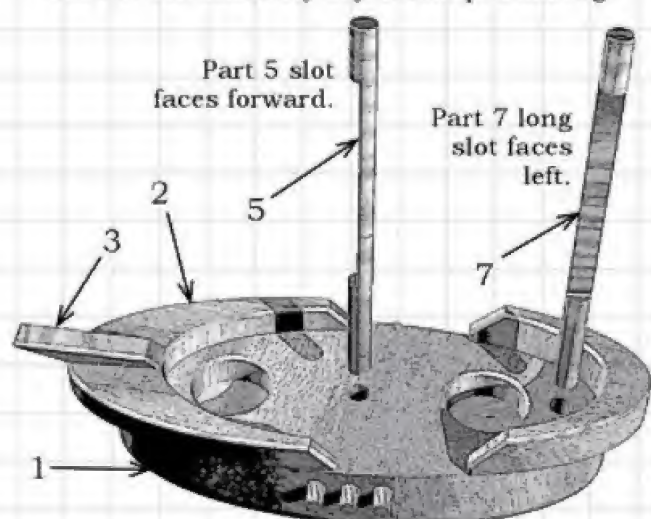
# PIRATE SHIP



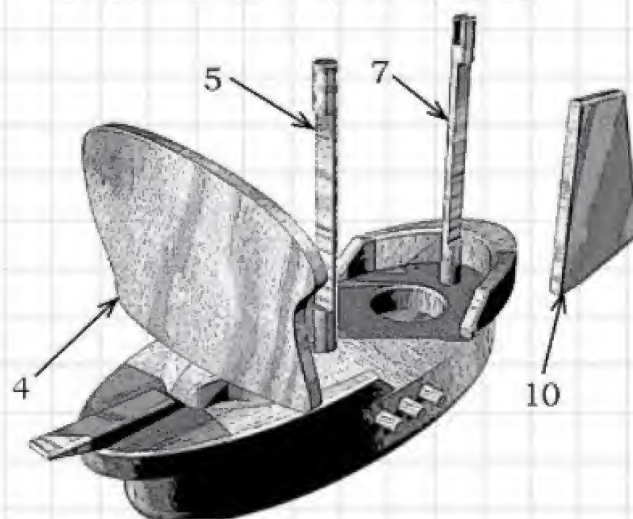
1. Add woodworker's white glue to bottom of Part 2 and Part 11. Press each in place on Part 1. Let assembly dry before proceeding.



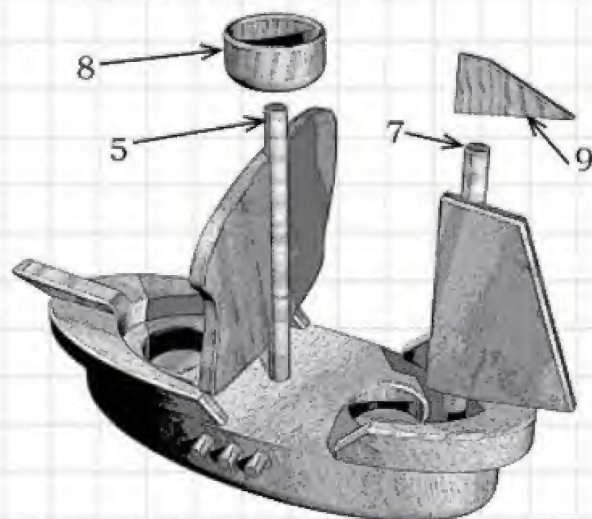
2. Add woodworker's white glue to one end of the 6 pieces of Part 6. Press Part 6 in place in 6 holes in Part 1. Let assembly dry.



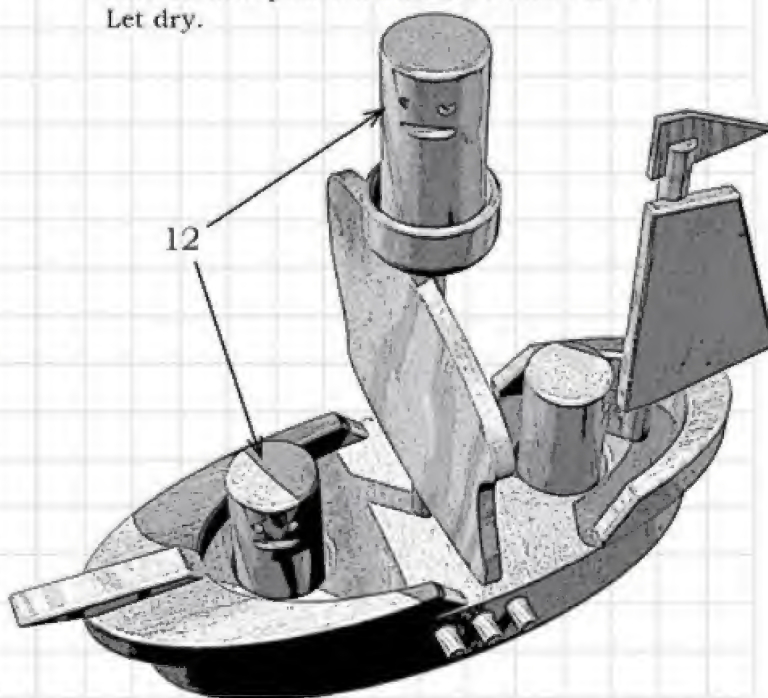
3. Apply woodworker's white glue to bottom of Part 3. Press into position on Part 2. Add glue to ends of Part 5 and Part 7 and press into place in Part 1. Let dry.



4. Apply woodworker's white glue to slot flats of Part 5 and Part 7. Press Part 4 and Part 10 into position on Part 5 and Part 7. Let dry.



5. Apply woodworker's white glue to top of Part 5 and top slot of Part 7. Press Part 8 into position on Part 5. Press Part 9 into position on Part 7 as shown in the assembly above. Let dry.





**NOTE: Patterns shown are full size. Make photo copy for cutting guide.**

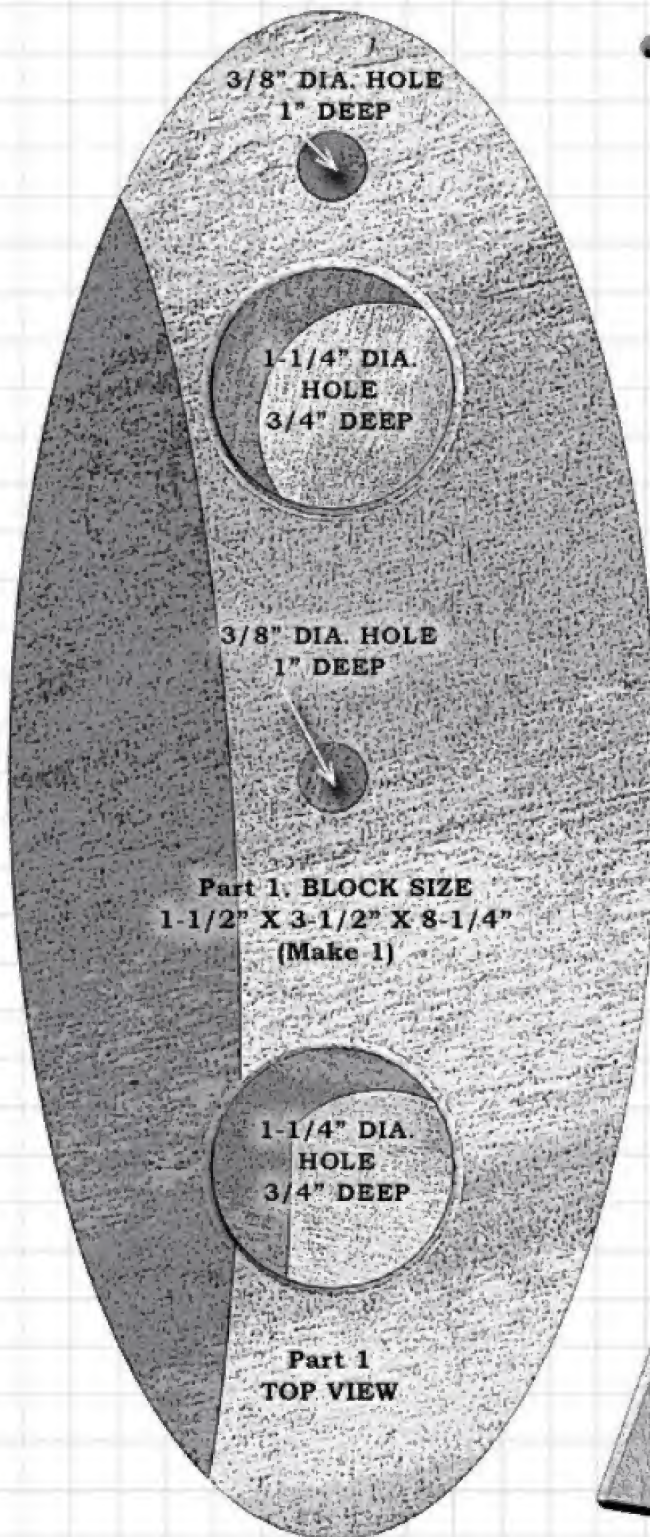
BUILD WOOD TOY BOATS

Note: Make a photo copy of each full size pattern. Cut out pattern from photo copy and spray the back side with removable adhesive. Adhere pattern to wood as a guide when sawing out the parts.



1/4" DIA. HOLE  
1/2" DEEP  
3 PLACES  
EACH SIDE

**Part 1**  
**SIDE VIEW**

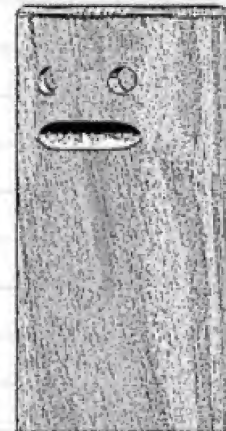


**Part 1. BLOCK SIZE**  
**1-1/2" X 3-1/2" X 8-1/4"**  
**(Make 1)**

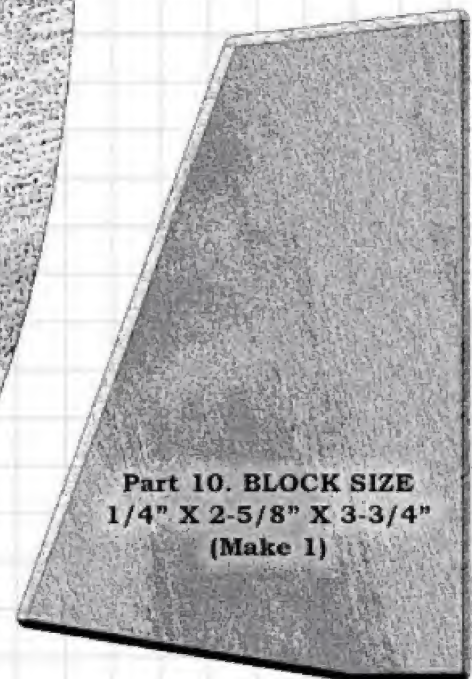
**Part 1**  
**TOP VIEW**



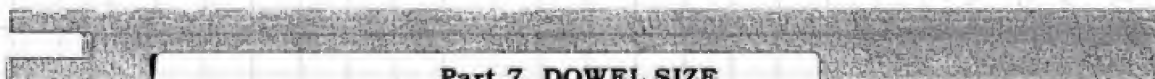
**Part 3. BLOCK SIZE**  
**1/2" X 1/2" X 2-1/2"**  
**(Make 1)**



**Part 12. DOWEL SIZE**  
**1-1/8" DIA. X 2-1/4"**  
**(Make 2)**



**Part 10. BLOCK SIZE**  
**1/4" X 2-5/8" X 3-3/4"**  
**(Make 1)**



**Part 7. DOWEL SIZE**  
**3/8" DIA. X 6"**  
**(Make 1)**

**PIRATE SHIP**

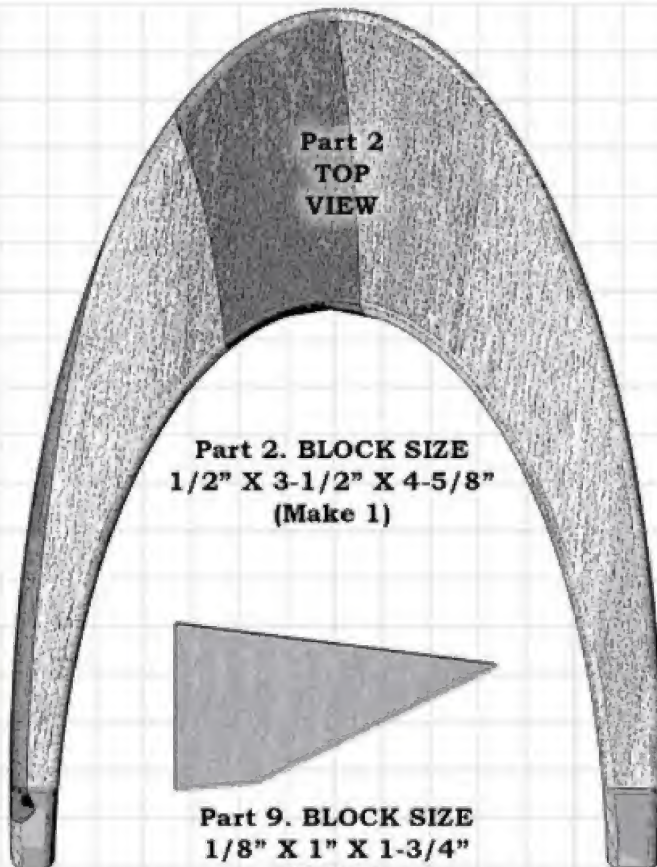


**NOTE: Add radius to edges with sandpaper or router.**

BUILD WOOD TOY BOATS

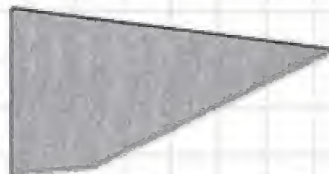


**Part 2  
SIDE  
VIEW**

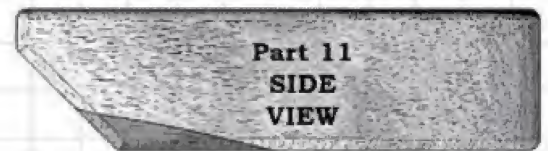


**Part 2  
TOP  
VIEW**

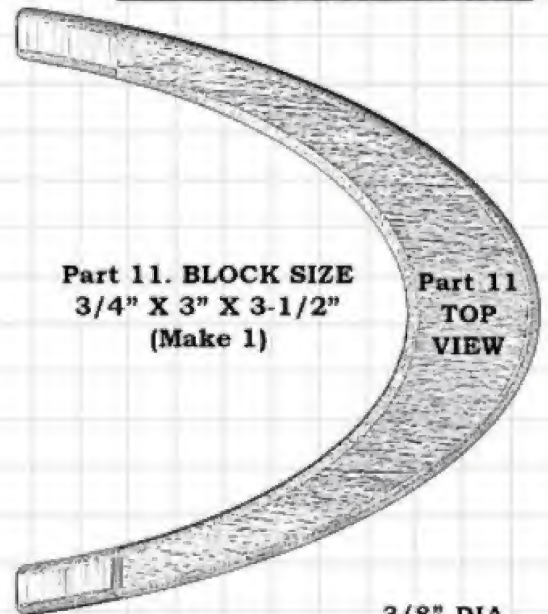
**Part 2. BLOCK SIZE**  
1/2" X 3-1/2" X 4-5/8"  
(Make 1)



**Part 9. BLOCK SIZE**  
1/8" X 1" X 1-3/4"  
(Make 1)



**Part 11  
SIDE  
VIEW**



**Part 11. BLOCK SIZE**  
3/4" X 3" X 3-1/2"  
(Make 1)

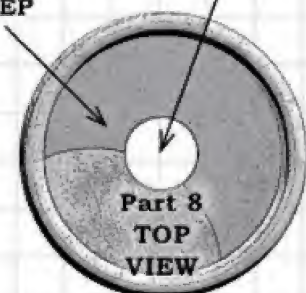
**Part 11  
TOP  
VIEW**



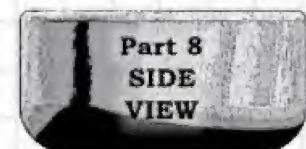
**Part 4. BLOCK SIZE**  
1/4" X 3-3/4" X 5"  
(Make 1)

1-1/8" DIA. HOLE  
1/2" DEEP

3/8" DIA.  
HOLE THRU



**Part 8  
TOP  
VIEW**



**Part 8  
SIDE  
VIEW**

**Part 8. DOWEL SIZE**  
1-1/2" DIA. X 3/4"  
(Make 1)



**Part 5. DOWEL SIZE**  
3/8" DIA. X 6"  
(Make 1)



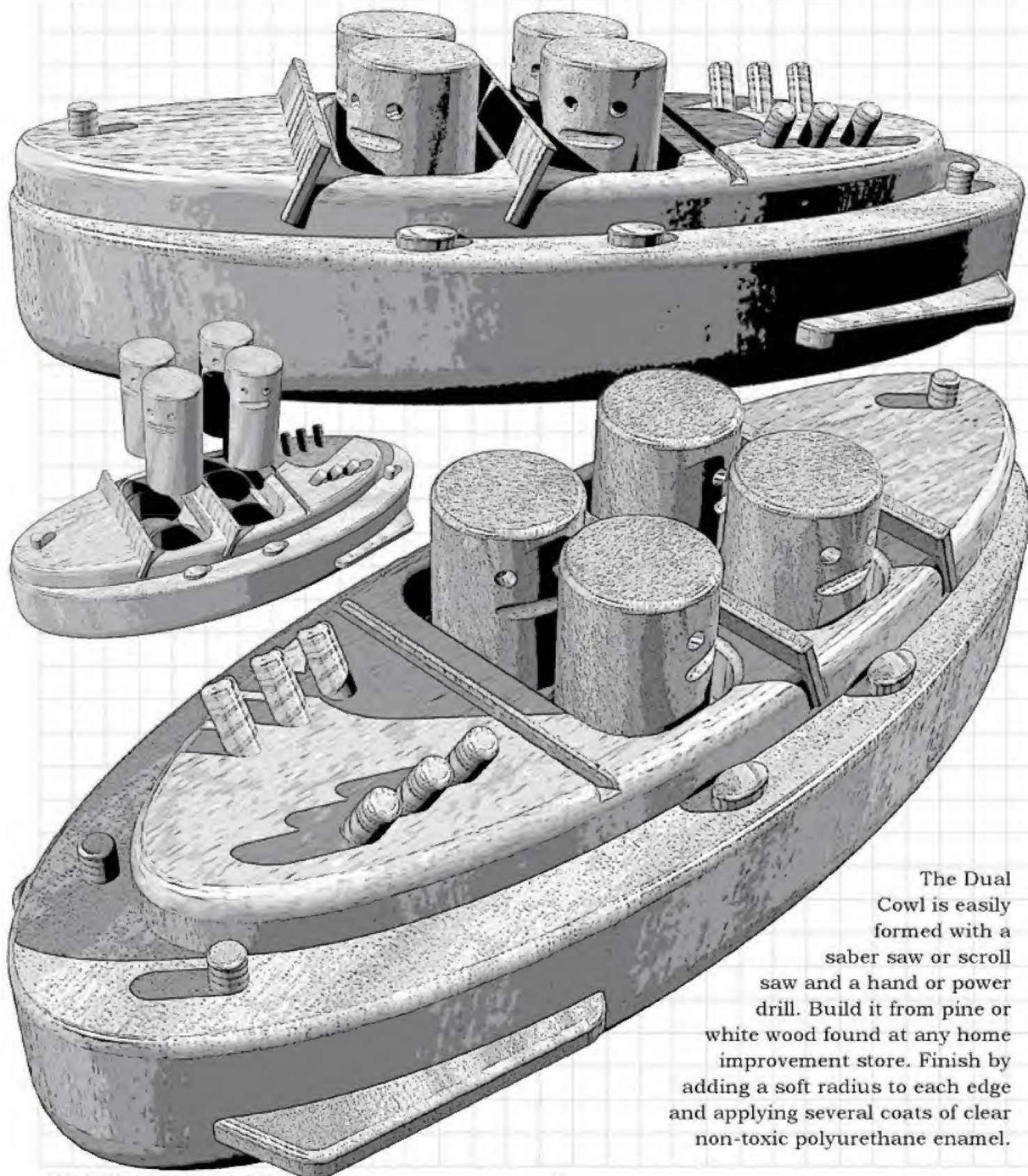
**Part 6. DOWEL SIZE**  
1/4" DIA. X 1"  
(Make 6)

**PIRATE SHIP**



# DUAL COWL

The magnificent Dual Cowl speed boats from the 1930s were the essence of class and style. Measuring 22 feet in length and with a top speed of 35 miles per hour the boats dominated the lake scene for a decade. The boats are much sought after today and are extremely valuable.



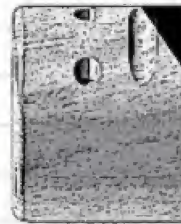
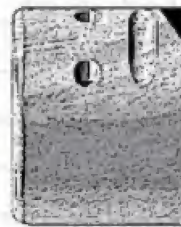
The Dual Cowl is easily formed with a saber saw or scroll saw and a hand or power drill. Build it from pine or white wood found at any home improvement store. Finish by adding a soft radius to each edge and applying several coats of clear non-toxic polyurethane enamel.



# DUAL COWL



REAR

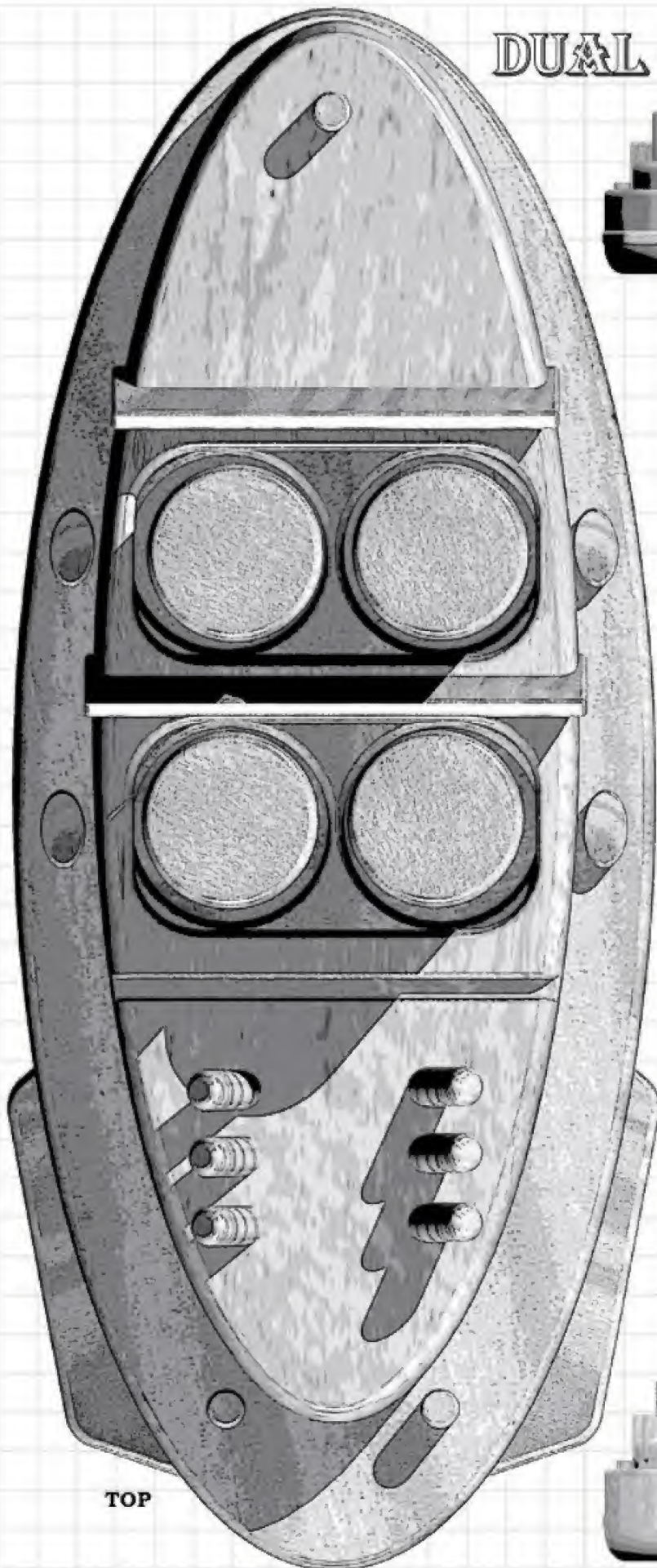


actual  
size

SIDE



FRONT

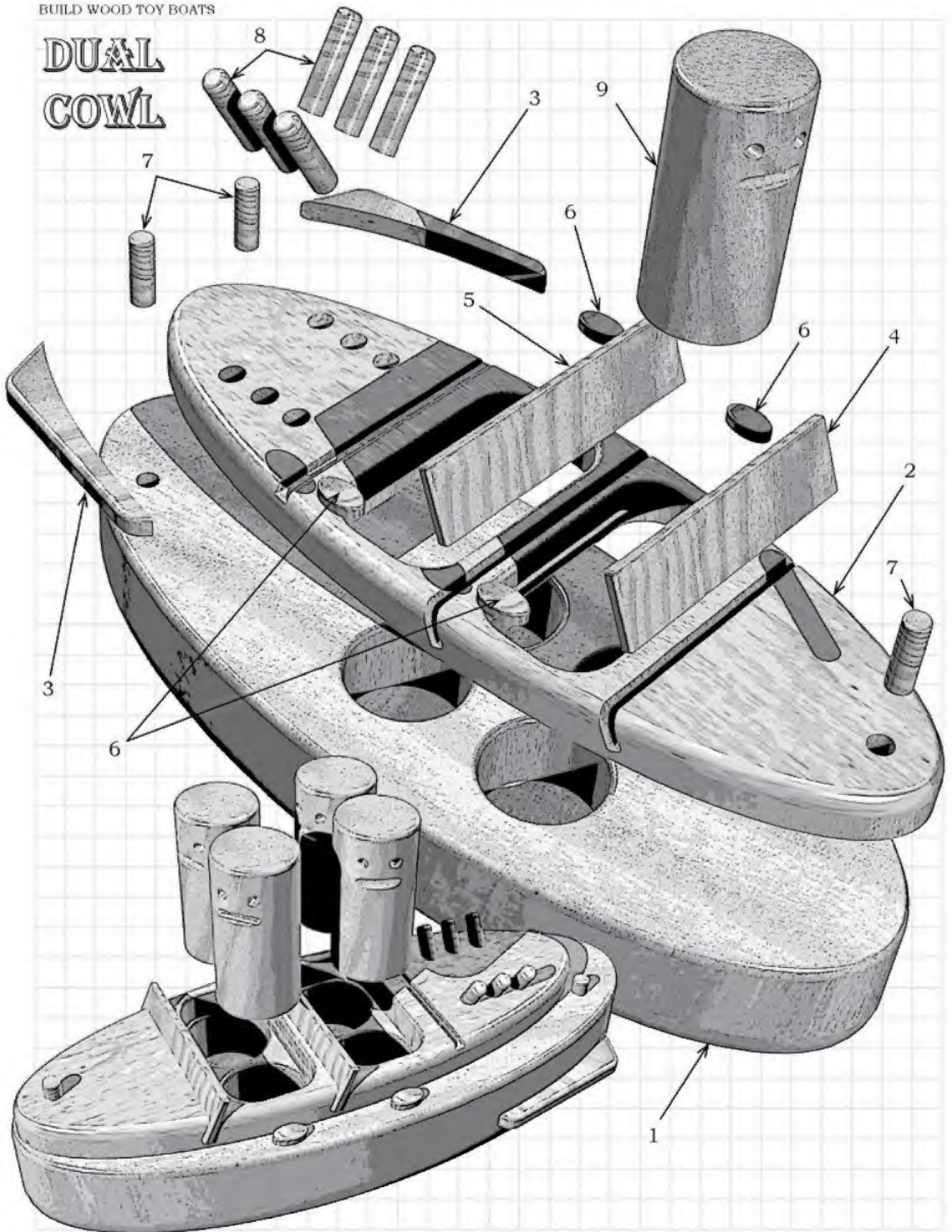


TOP

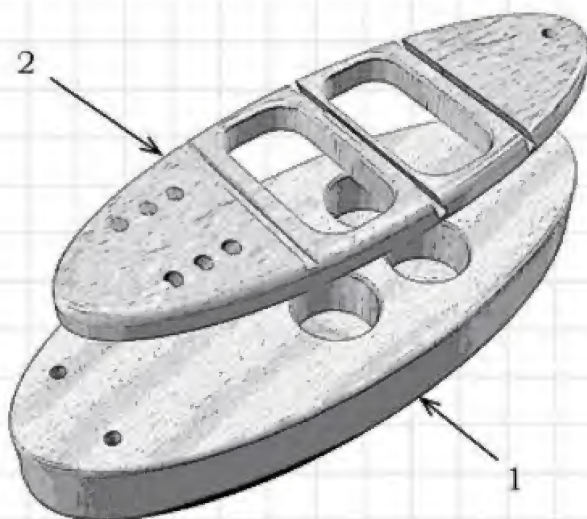




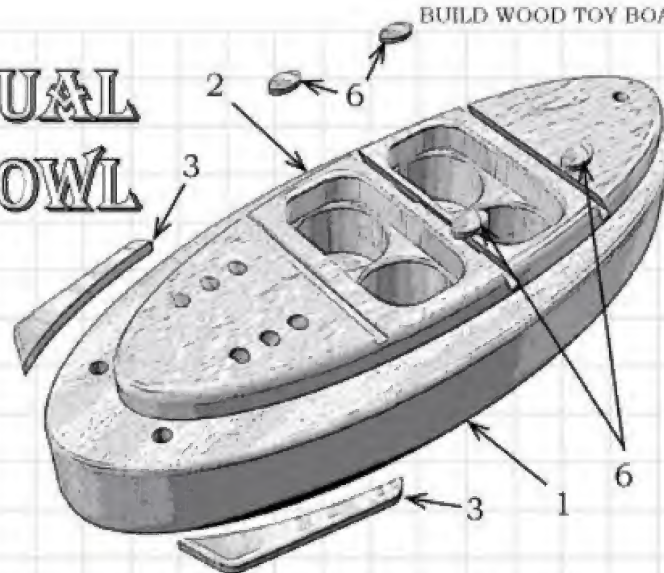
# DUAL COWL







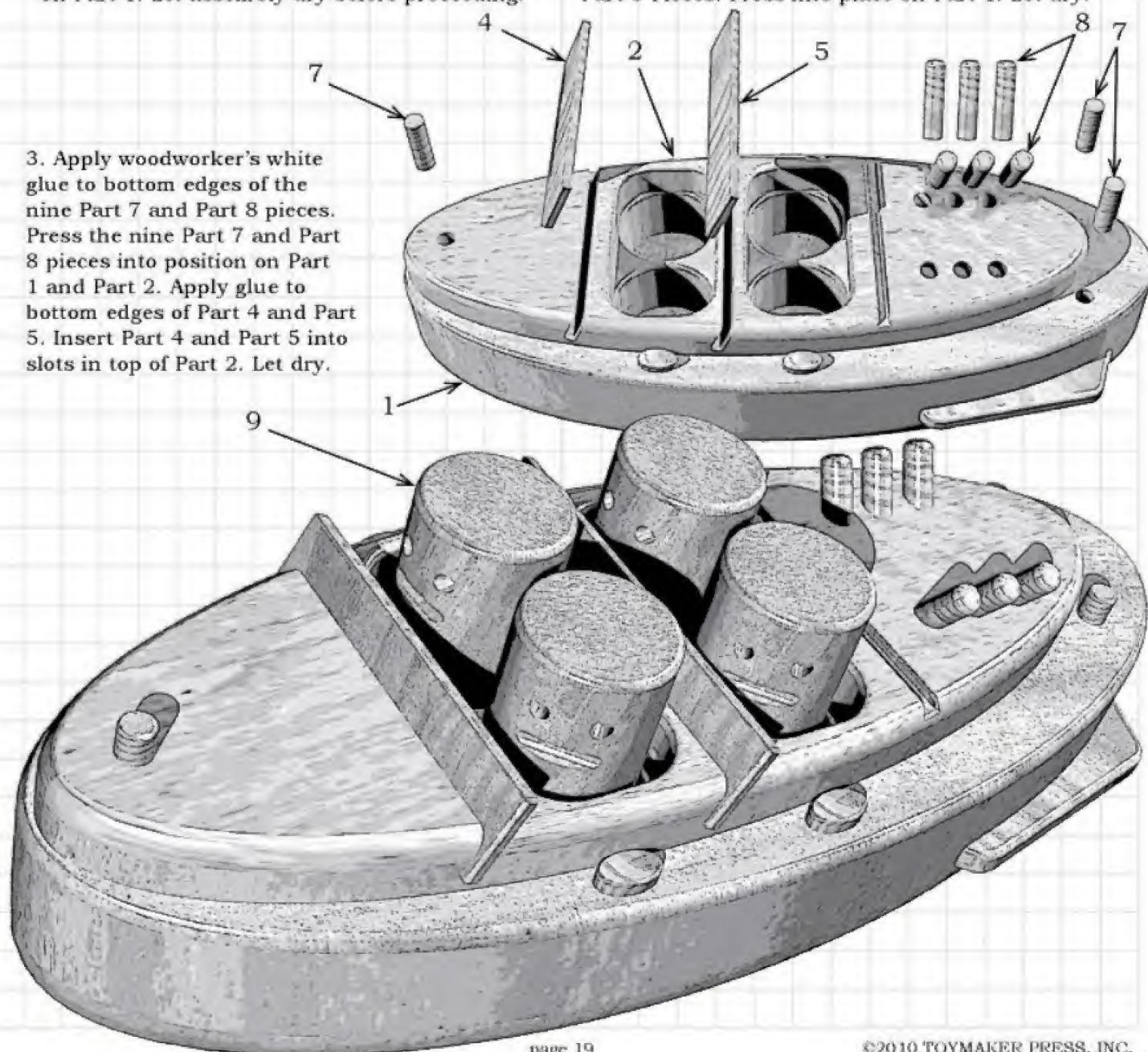
## DUAL COWL



1. Add woodworker's white glue to bottom of Part 2 front and rear. Press Part 2 into place on Part 1. Let assembly dry before proceeding.

2. Add glue to inner edge of the two Part 3 pieces. Press each Part 3 in place on Part 1. Add glue to four Part 6 Pieces. Press into place on Part 1. Let dry.

3. Apply woodworker's white glue to bottom edges of the nine Part 7 and Part 8 pieces. Press the nine Part 7 and Part 8 pieces into position on Part 1 and Part 2. Apply glue to bottom edges of Part 4 and Part 5. Insert Part 4 and Part 5 into slots in top of Part 2. Let dry.





**NOTE: Patterns shown are full size. Make photo copy for cutting guide.**

BUILD WOOD TOY BOATS

# DUAL COWL

**Part 3.**  
**BLOCK SIZE**  
**1/4" X 3/4" X 3"**  
**(Make 2)**



Note: Make a photo copy of each full size pattern. Cut out pattern from photo copy and spray the back side with removable adhesive. Adhere pattern to wood as a guide when sawing out the parts.

1-1/4" DIA.  
HOLE  
1-1/4" DEEP

1-1/4" DIA.  
HOLE  
1-1/4" DEEP

1-1/4" DIA.  
HOLE  
1-1/4" DEEP

1-1/4" DIA.  
HOLE  
1-1/4" DEEP

**Part 1. BLOCK SIZE**  
**1-1/2" X 4-1/4" X 10-1/4"**  
**(Make 1)**

1/4" DIA. HOLE  
1/2" DEEP  
2 PLACES

**Part 7.**  
**DOWEL SIZE**  
**1/4" DIA. X 3/4"**  
**(Make 3)**



**Part 1**  
**TOP VIEW**

**Part 1**  
**SIDE VIEW**





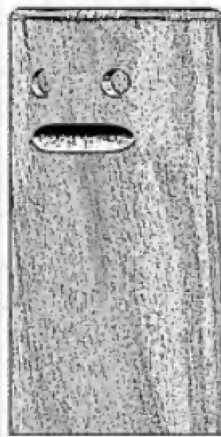
**NOTE: Add radius to edges with sandpaper or router.**

BUILD WOOD TOY BOATS

## DUAL COWL



**Part 5. BLOCK SIZE**  
1/8" X 3/4" X 3-1/4"  
(Make 1)



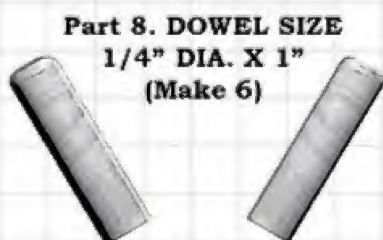
**Part 9. DOWEL SIZE**  
1-1/8" DIA. X 2-1/4"  
(Make 4)



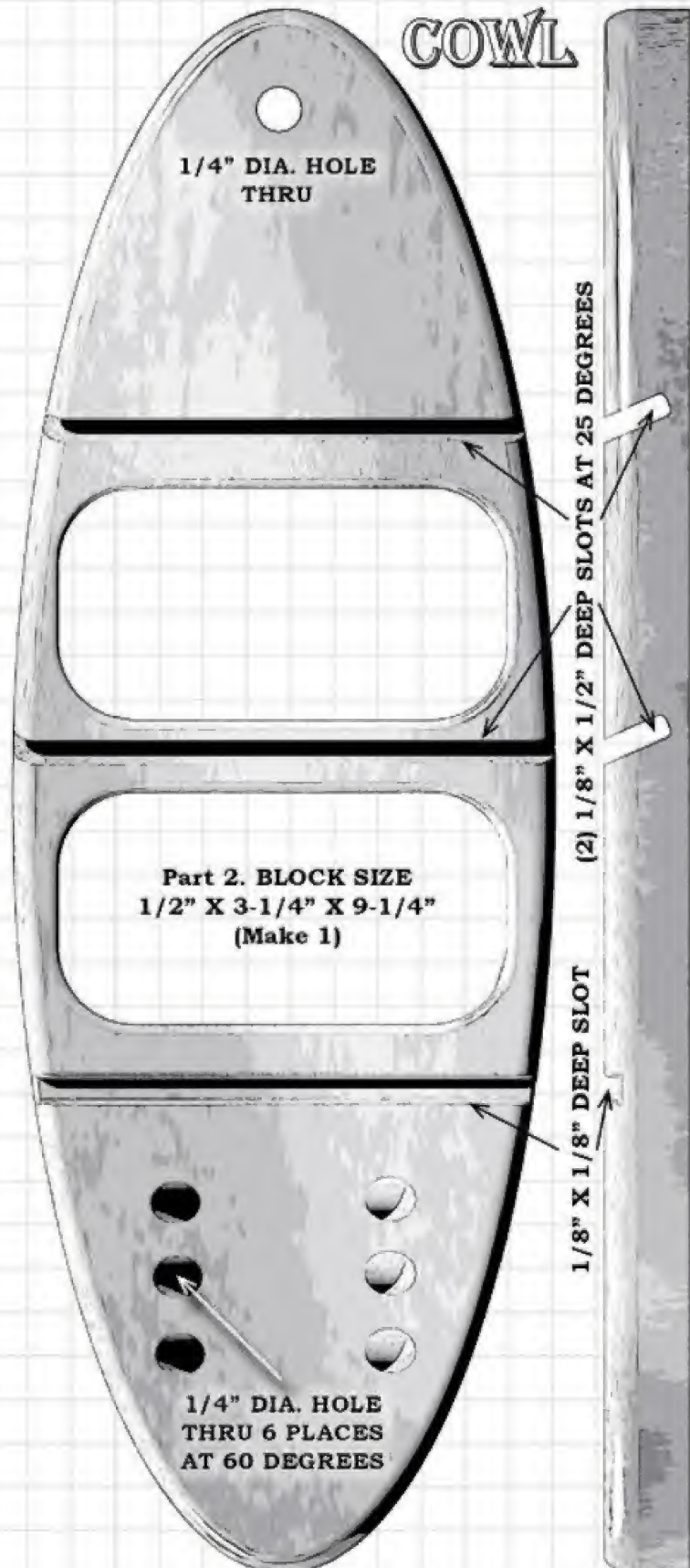
**Part 6. BLOCK SIZE**  
1/8" X 1/2" X 5/8"  
(Make 4)



**Part 4. BLOCK SIZE**  
1/8" X 3/4" X 2-7/8"  
(Make 1)



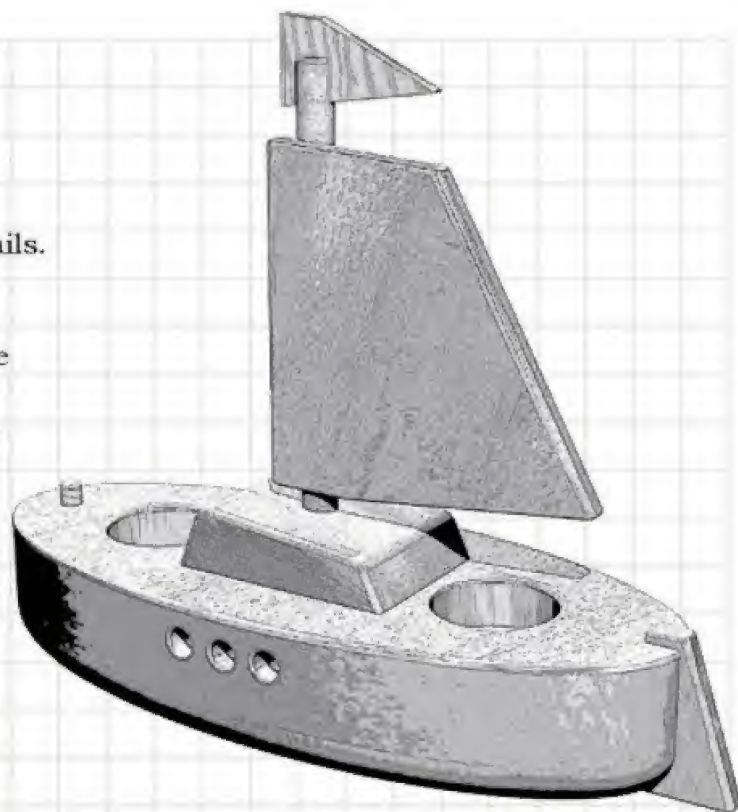
**Part 8. DOWEL SIZE**  
1/4" DIA. X 1"  
(Make 6)



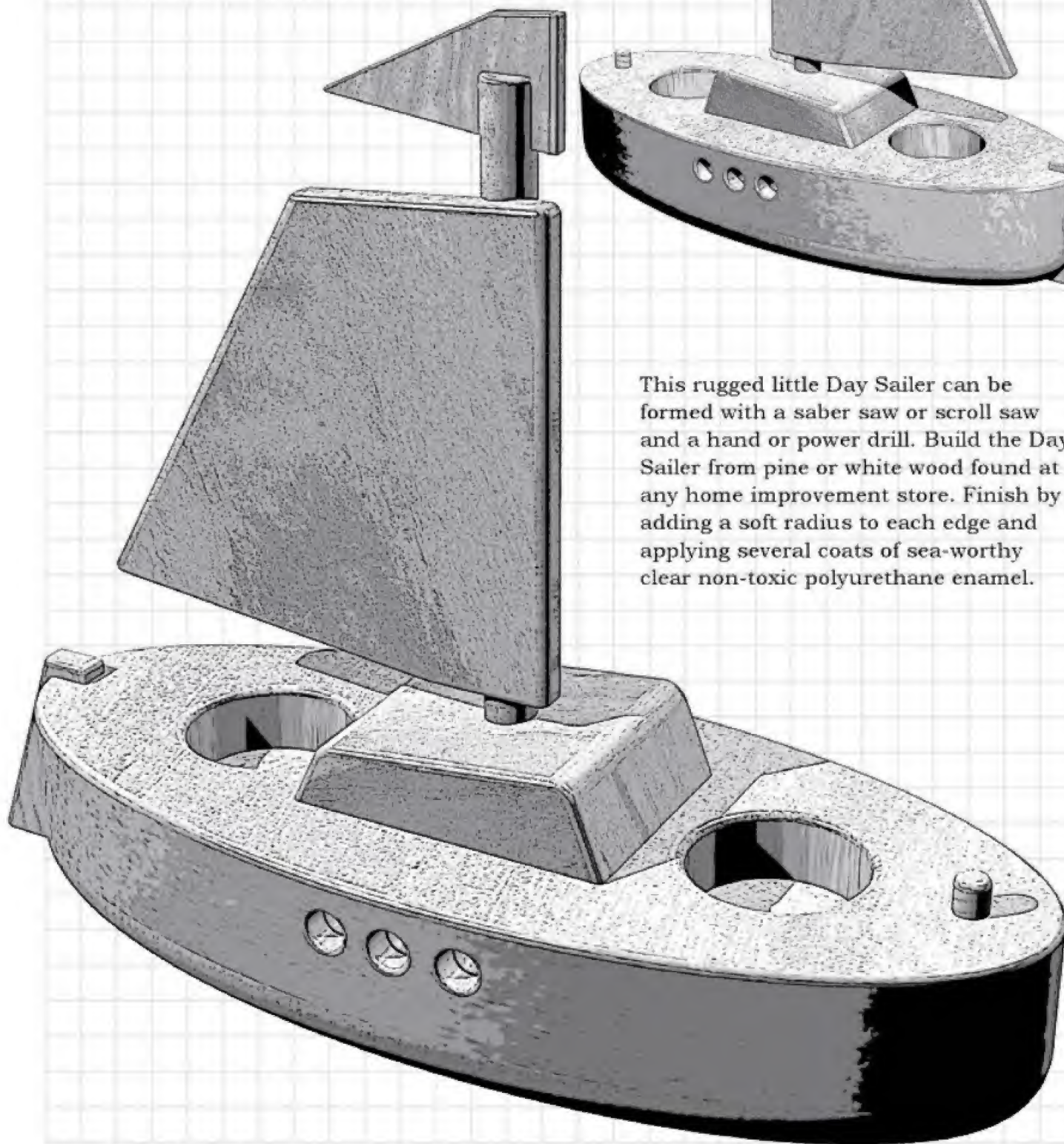


# DAY SAILER

A Day Sailer is propelled partly or entirely by sails. The single mounted mast and one sail make it simple to operate and easy to set up for sailing. Often Day Sailers have a little cabin to allow the pilot to get inside away from rough weather.



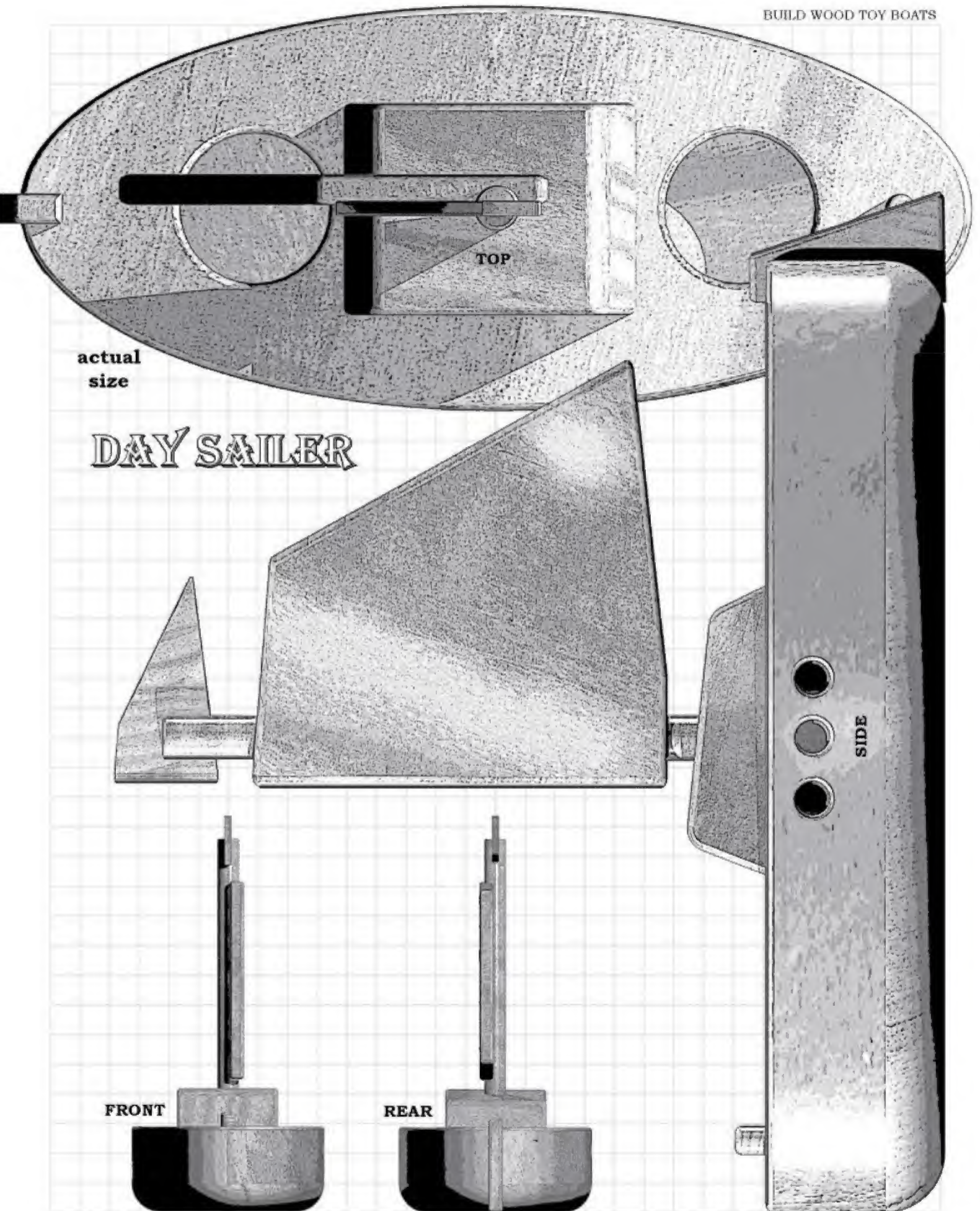
This rugged little Day Sailer can be formed with a saber saw or scroll saw and a hand or power drill. Build the Day Sailer from pine or white wood found at any home improvement store. Finish by adding a soft radius to each edge and applying several coats of sea-worthy clear non-toxic polyurethane enamel.





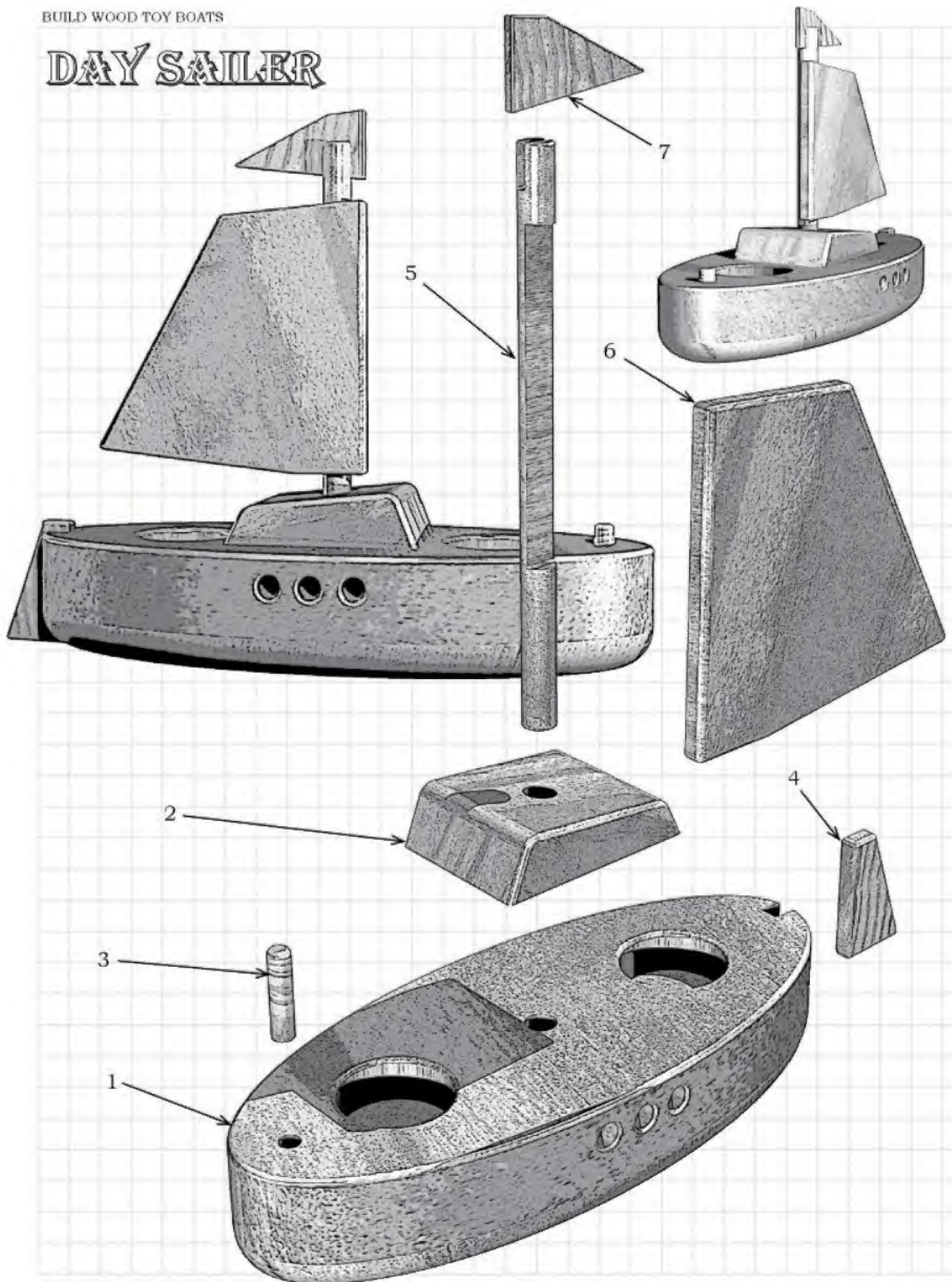
actual  
size

# DAY SAILER



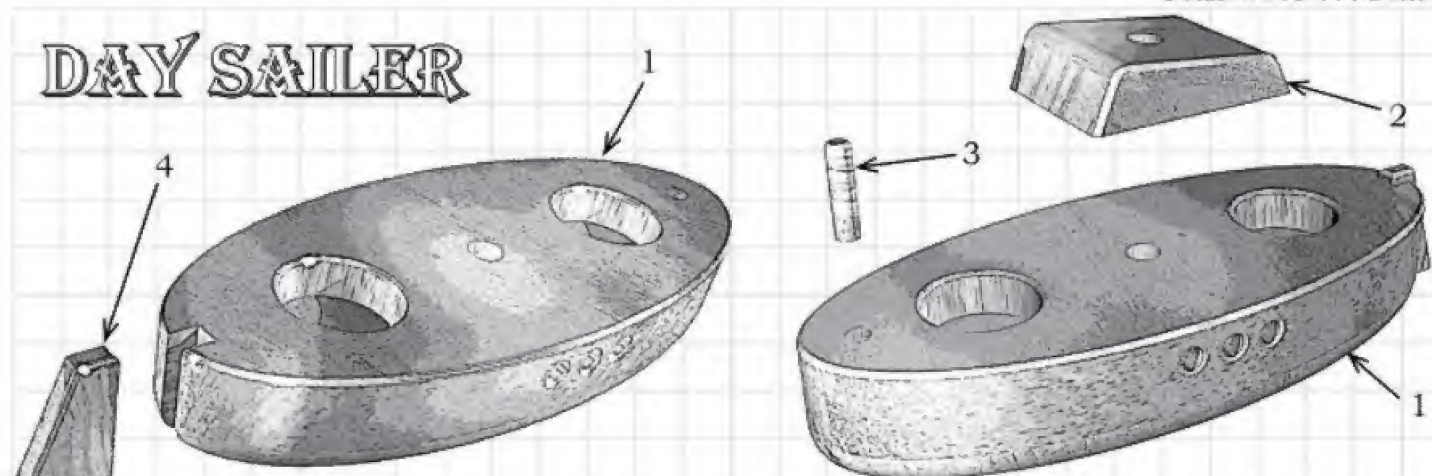


# DAY SAILER



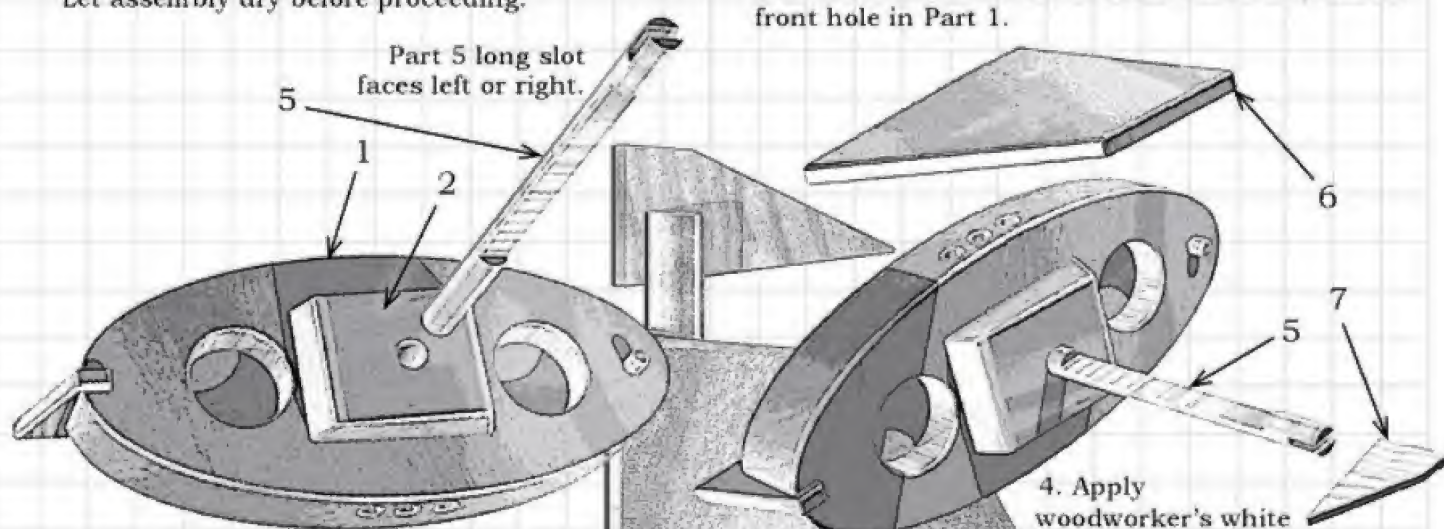


# DAY SAILER



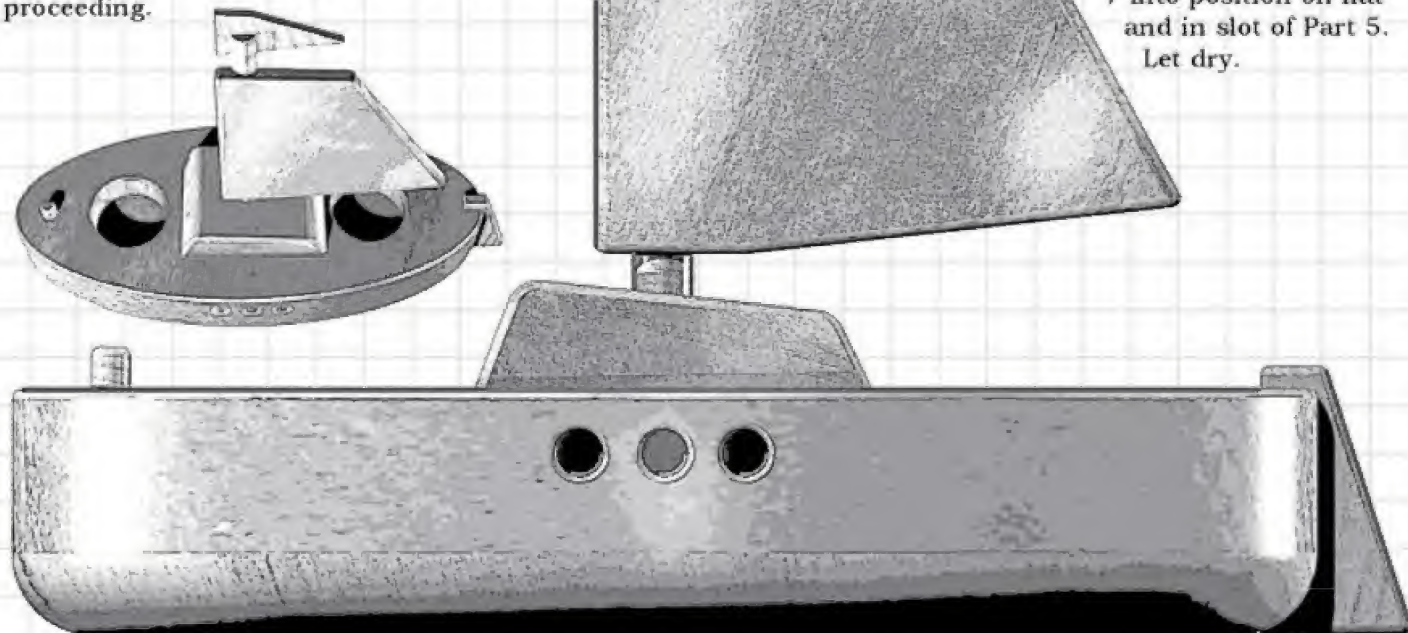
1. Add woodworker's white glue to vertical edge of Part 4. Press Part 4 in place on Part 1. Let assembly dry before proceeding.

2. Add woodworker's white glue to one end of Part 3 and bottom of Part 2. Press Part 2 in place aligned with center hole in Part 1. Press Part 3 in place in front hole in Part 1.



3. Apply woodworker's white glue to bottom of Part 5. Press into position through Part 1 and Part 2. Let glued assembly dry before proceeding.

4. Apply woodworker's white glue to flat slot and top slot of Part 5. Press Part 6 and Part 7 into position on flat and in slot of Part 5. Let dry.



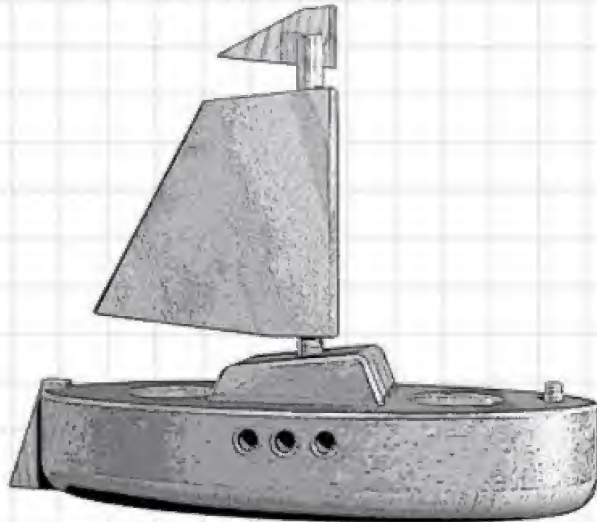
This view is smaller than actual size.



**NOTE: Patterns shown are full size. Make photo copy for cutting guide.**

BUILD WOOD TOY BOATS

# DAY SAILER



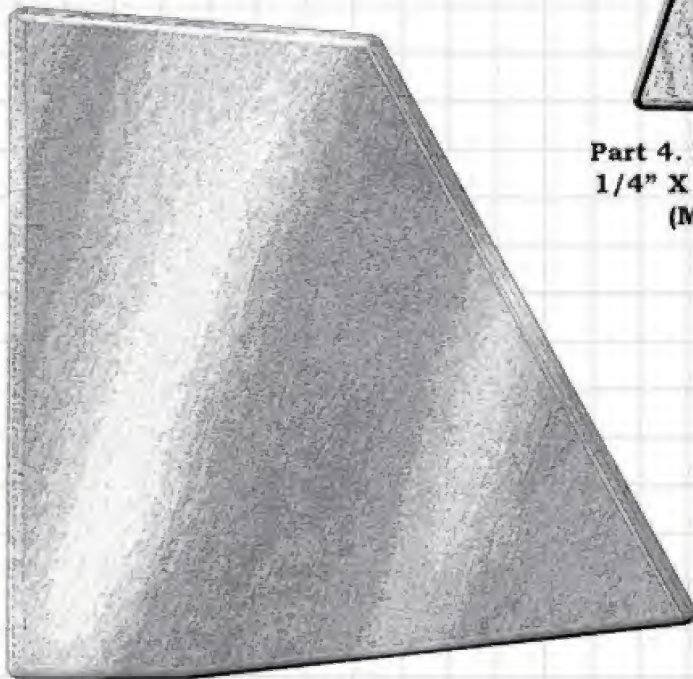
**3/8" DIA. HOLE THRU**  
Drill hole in exact  
center of block for  
correct alignment.



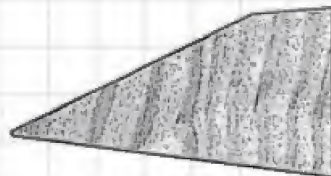
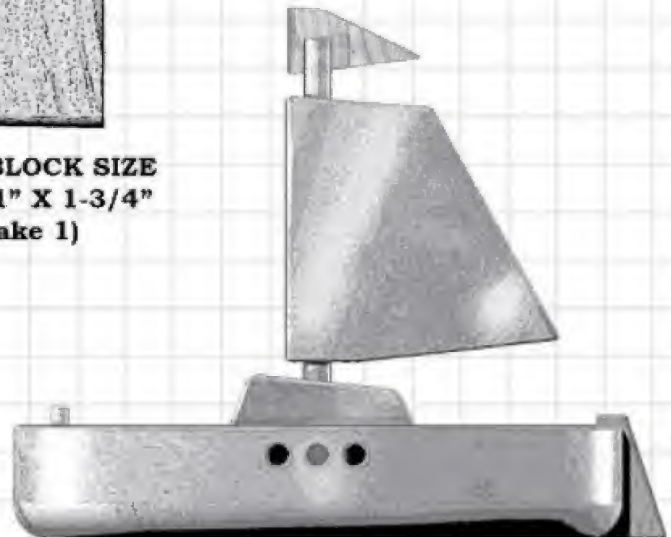
**Part 2. BLOCK SIZE**  
**3/4" X 1-3/4" X 2-1/2"**  
**(Make 1)**



**Part 4. BLOCK SIZE**  
**1/4" X 1" X 1-3/4"**  
**(Make 1)**



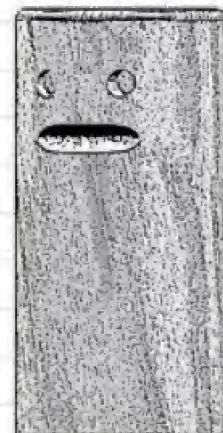
**Part 6. BLOCK SIZE**  
**1/4" X 3-1/2" X 3-5/8"**  
**(Make 1)**



**Part 7. BLOCK SIZE**  
**1/8" X 1" X 1-3/4"**  
**(Make 1)**



**Part 3. DOWEL SIZE**  
**1/4" DIA. X 1"**  
**(Make 1)**



**Part 8. DOWEL SIZE**  
**1-1/8" DIA. X 2-1/4"**  
**(Make 2)**

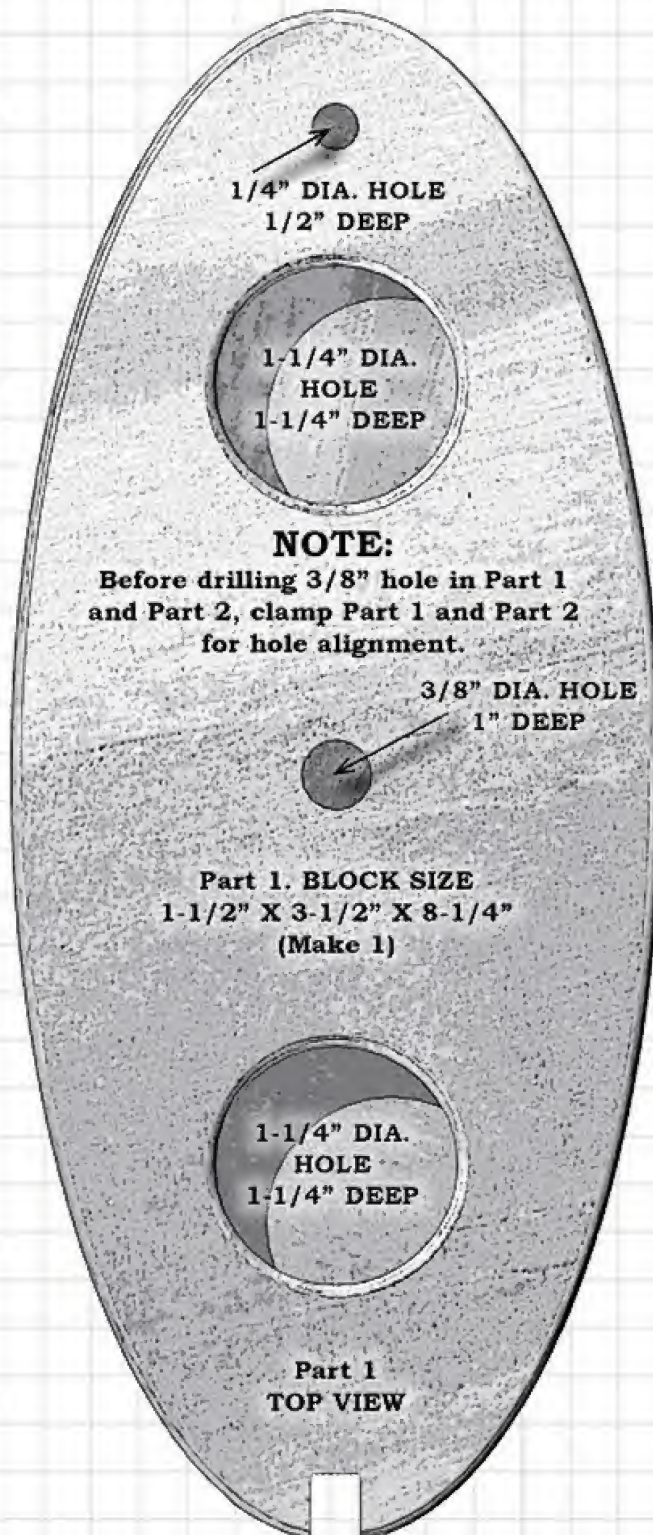


**NOTE: Add radius to edges with sandpaper or router.**

BUILD WOOD TOY BOATS

# DAY SAILER

**Part 5. DOWEL SIZE**  
**3/8" DIA. X 6" (Make 1)**



**1/4" DIA. HOLE**  
**1/2" DEEP**

**1-1/4" DIA.**  
**HOLE**  
**1-1/4" DEEP**

## **NOTE:**

**Before drilling 3/8" hole in Part 1**  
**and Part 2, clamp Part 1 and Part 2**  
**for hole alignment.**

**3/8" DIA. HOLE**  
**1" DEEP**

**Part 1. BLOCK SIZE**  
**1-1/2" X 3-1/2" X 8-1/4"**  
**(Make 1)**

**1-1/4" DIA.**  
**HOLE**  
**1-1/4" DEEP**

**Part 1**  
**TOP VIEW**



**Part 1**  
**SIDE VIEW**

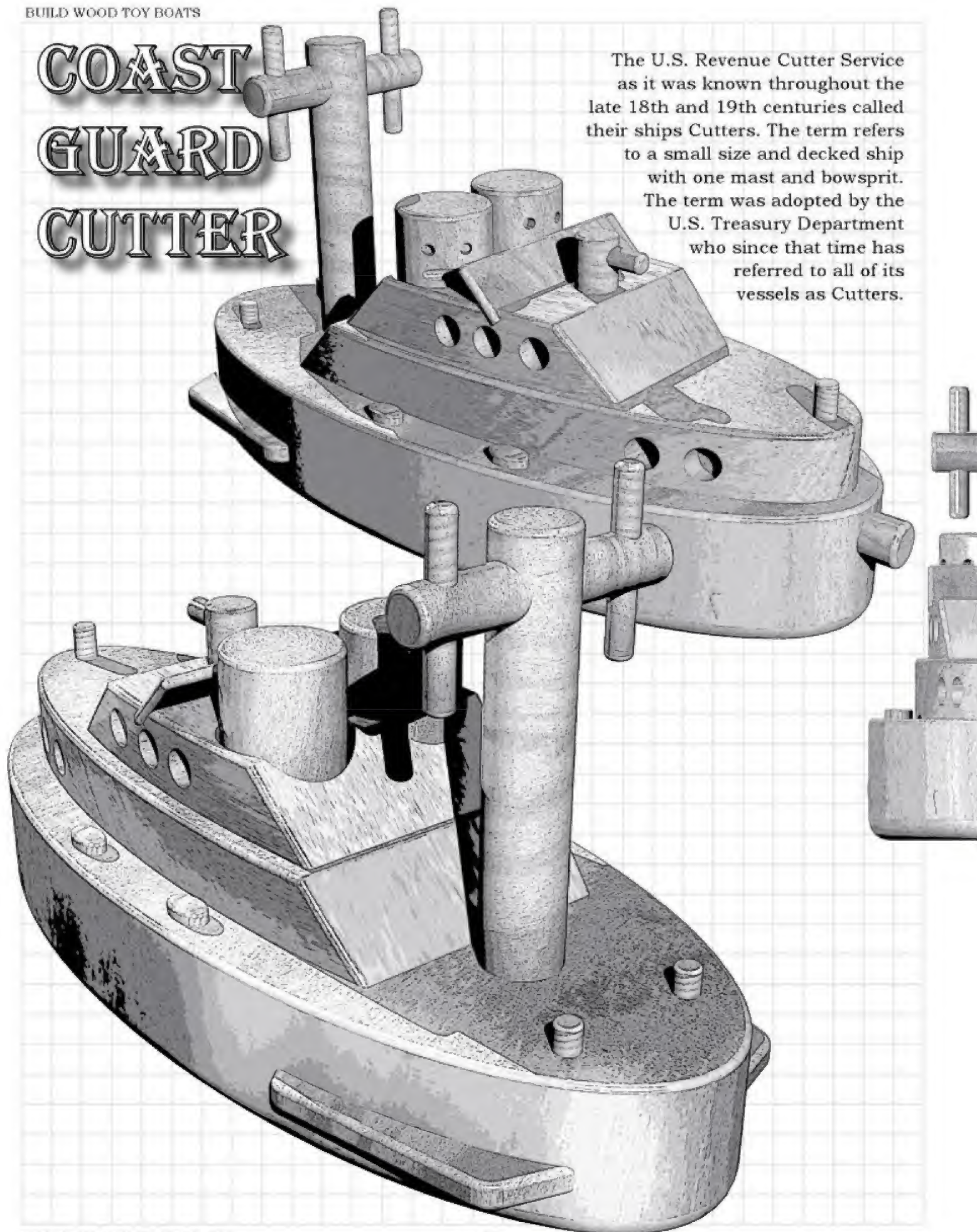
**3/8" DIA. HOLE**  
**1/2" DEEP**  
**3 PLACES**  
**EACH SIDE**

**Note: Make**  
**a photo**  
**copy of each**  
**pattern. Cut**  
**out pattern**  
**and spray the**  
**back side with**  
**removable**  
**adhesive.**  
**Adhere**  
**pattern to**  
**wood as a**  
**guide when**  
**sawing out**  
**the parts.**



# COAST GUARD CUTTER

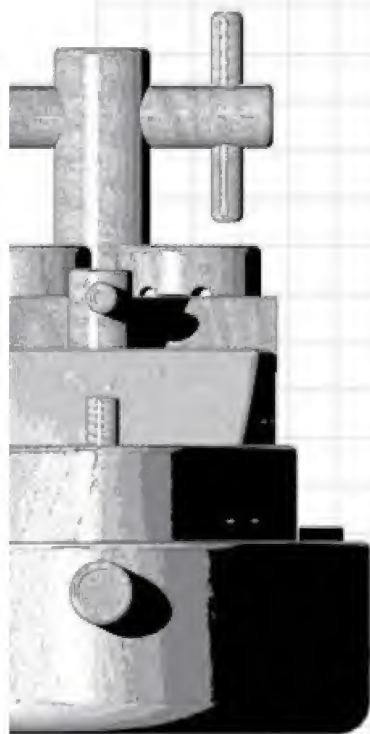
The U.S. Revenue Cutter Service as it was known throughout the late 18th and 19th centuries called their ships Cutters. The term refers to a small size and decked ship with one mast and bowsprit. The term was adopted by the U.S. Treasury Department who since that time has referred to all of its vessels as Cutters.



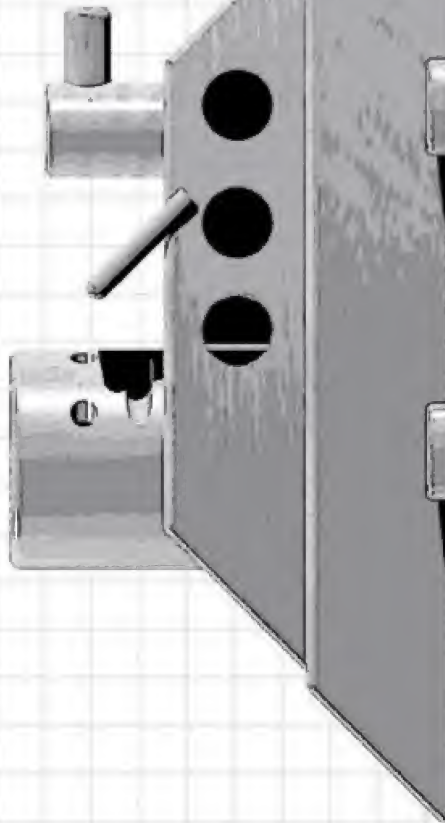


The Coast Guard Cutter can be formed with a saber saw or scroll saw and a hand or power drill. Build the Cutter from pine or white wood found at any home improvement store. Finish by adding a soft radius to each edge and applying several coats of sea-worthy clear non-toxic polyurethane enamel.

**actual  
size**



**FRONT**



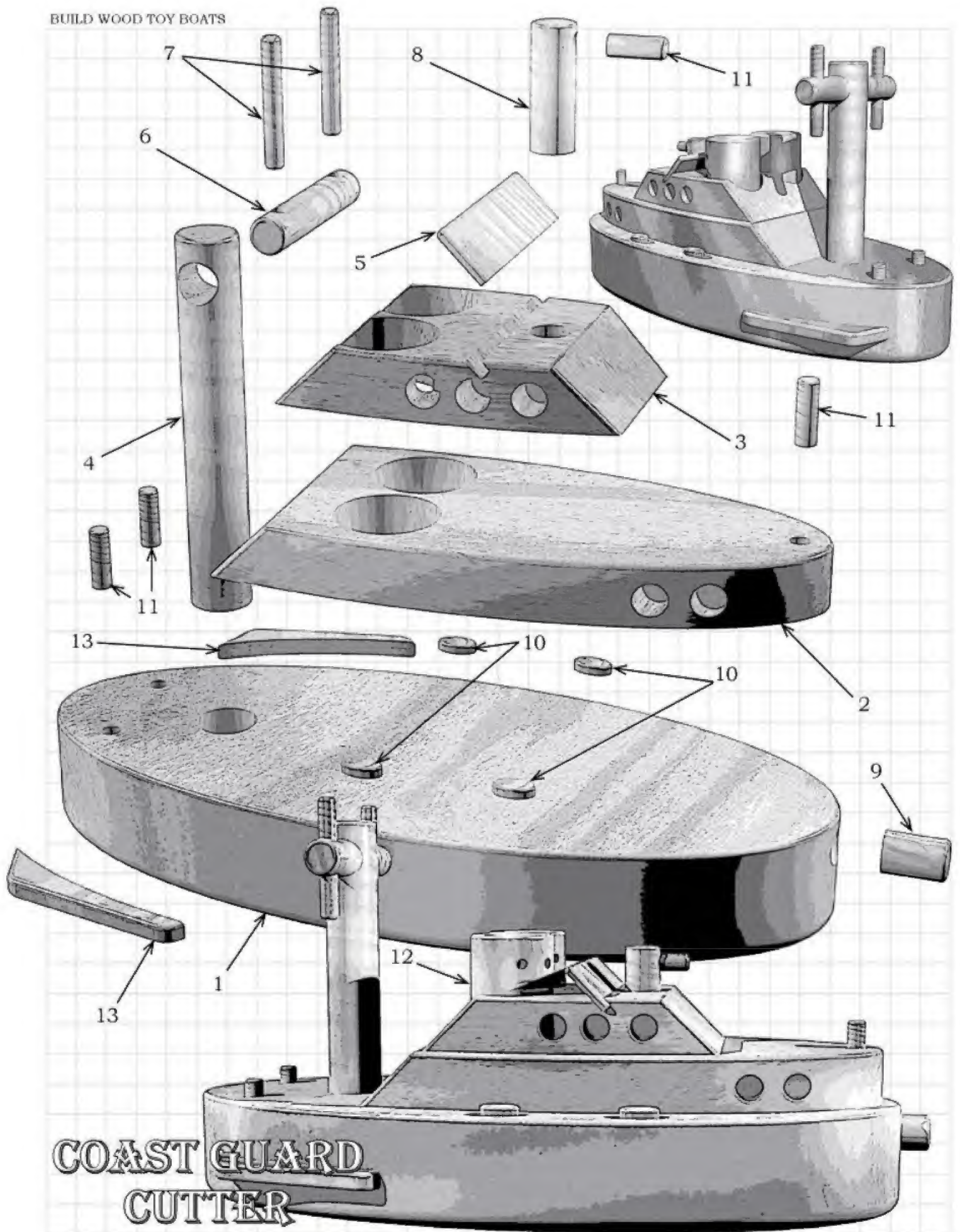
**SIDE**



**TOP**

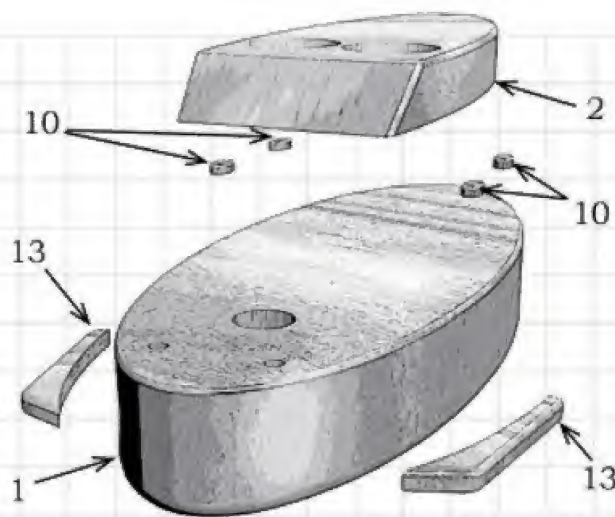
**COAST  
GUARD  
CUTTER**



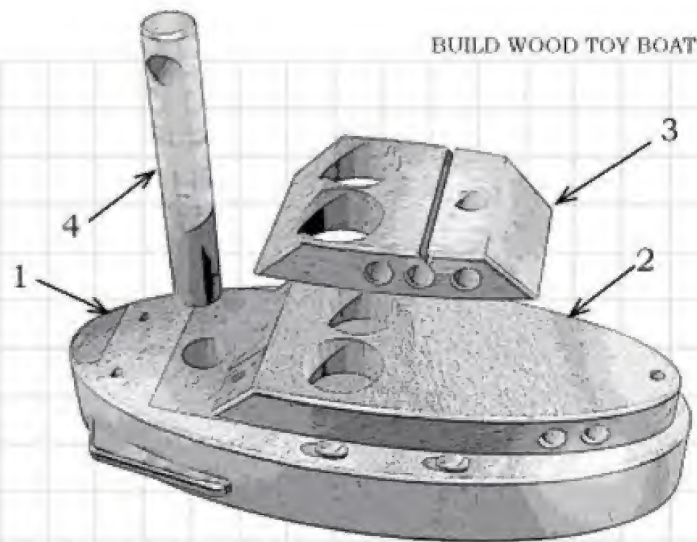


# COAST GUARD CUTTER

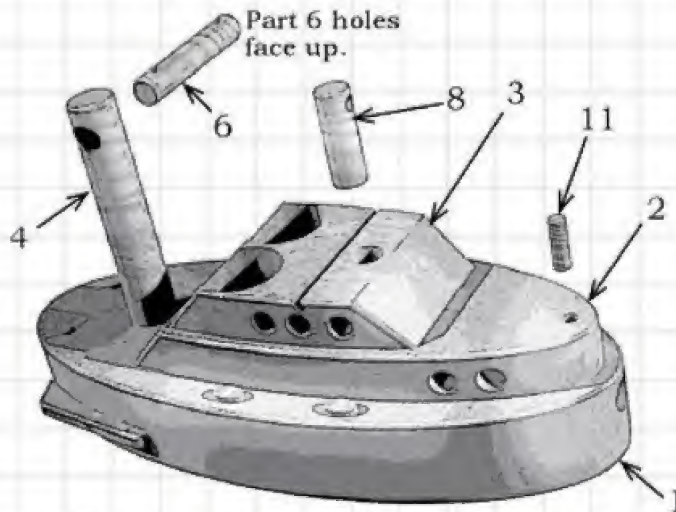




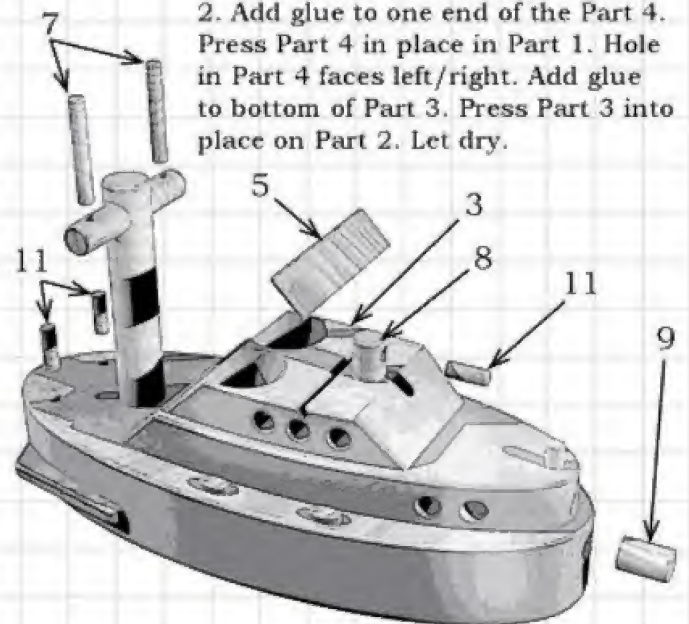
1. Add woodworker's white glue to bottom of Part 2 and four pieces of Part 10. Add glue to inside edge of two Part 13. Press each in place on Part 1. Let Dry.



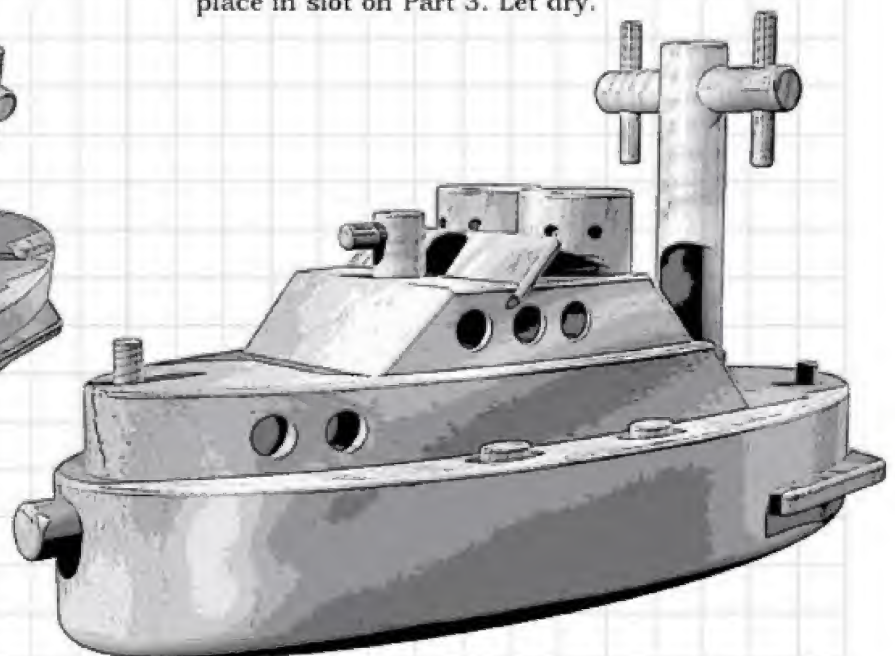
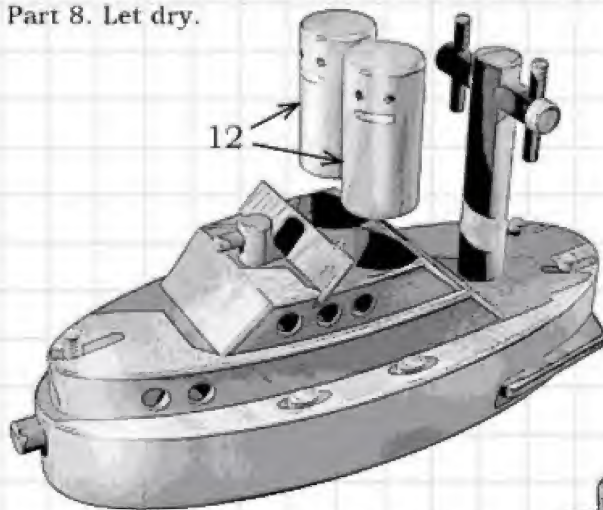
2. Add glue to one end of the Part 4. Press Part 4 in place in Part 1. Hole in Part 4 faces left/right. Add glue to bottom of Part 3. Press Part 3 into place on Part 2. Let dry.



3. Apply woodworker's white glue to center of Part 6 and one end of Part 8 and one piece of Part 11. Press into position on Part 4, Part 3 & Part 2. Hole faces forward on Part 8. Let dry.



4. Apply glue to one end of Part 7, 9 and 11. Press into position as shown above. Add glue to bottom edge of Part 5 and press into place in slot on Part 3. Let dry.



# COAST GUARD CUTTER



**NOTE: Add radius to edges with sandpaper or router.**

BUILD WOOD TOY BOATS

**Part 5. BLOCK SIZE**  
**1/8" X 3/4" X 2-3/4"**  
**(Make 1)**



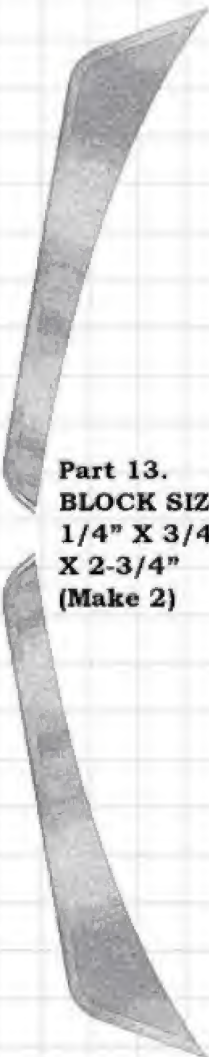
**1/2" DIA. HOLE**  
**1/2" DEEP**

**Note: Make a photo copy of each pattern. Cut out pattern and spray the back side with removable adhesive. Adhere pattern to wood as a guide when sawing out the parts.**

**Part 1. BLOCK SIZE**  
**1-1/2" X 3-1/2" X 8-1/4"**  
**(Make 1)**

**Part 1**  
**TOP VIEW**

**Part 13.**  
**BLOCK SIZE**  
**1/4" X 3/4"**  
**X 2-3/4"**  
**(Make 2)**



**3/4" DIA. HOLE**  
**3/4" DEEP**



**1/4" DIA. HOLE**  
**3/8" DEEP**



**1/2" DIA. HOLE**  
**1/2" DEEP**

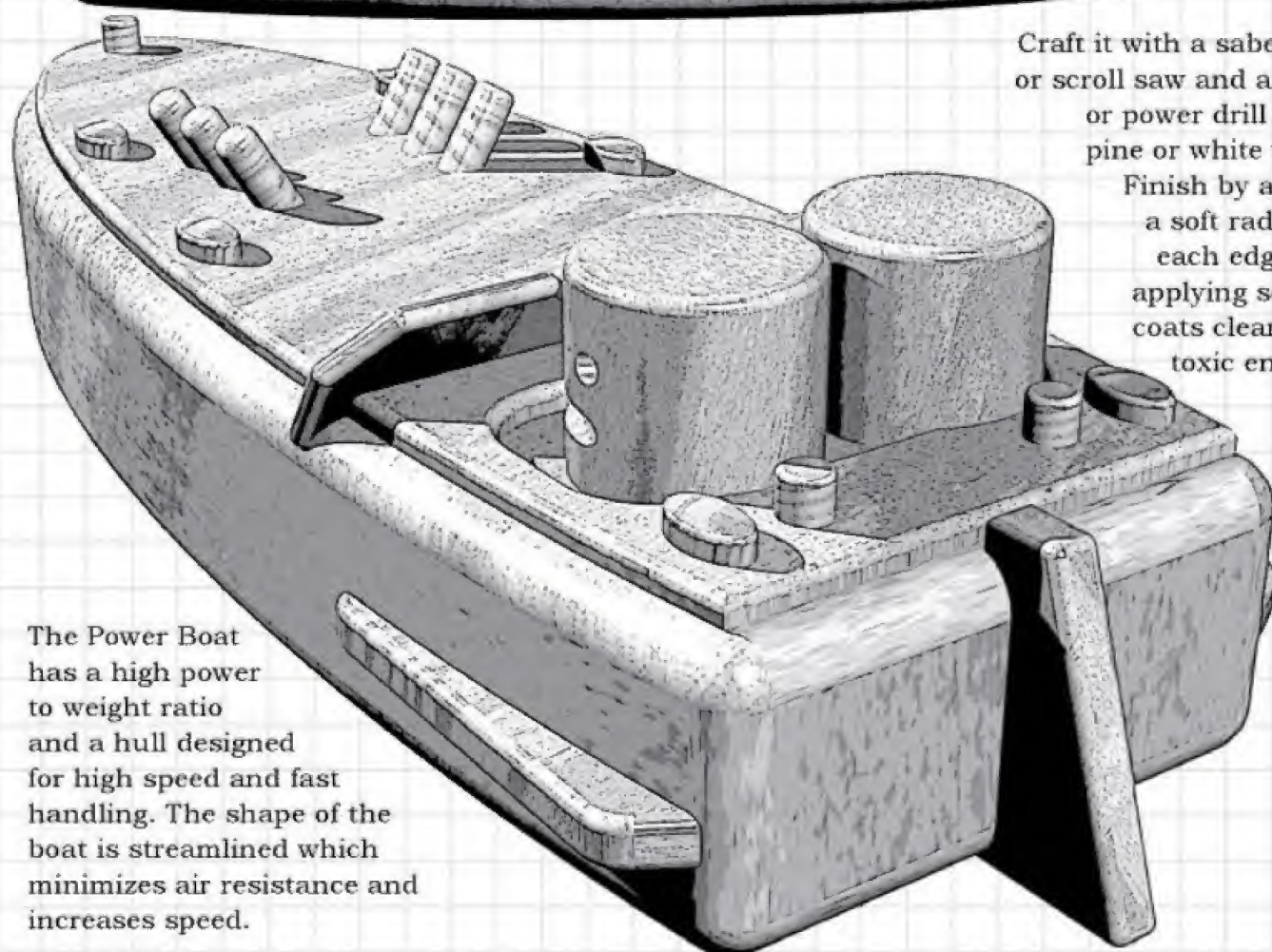
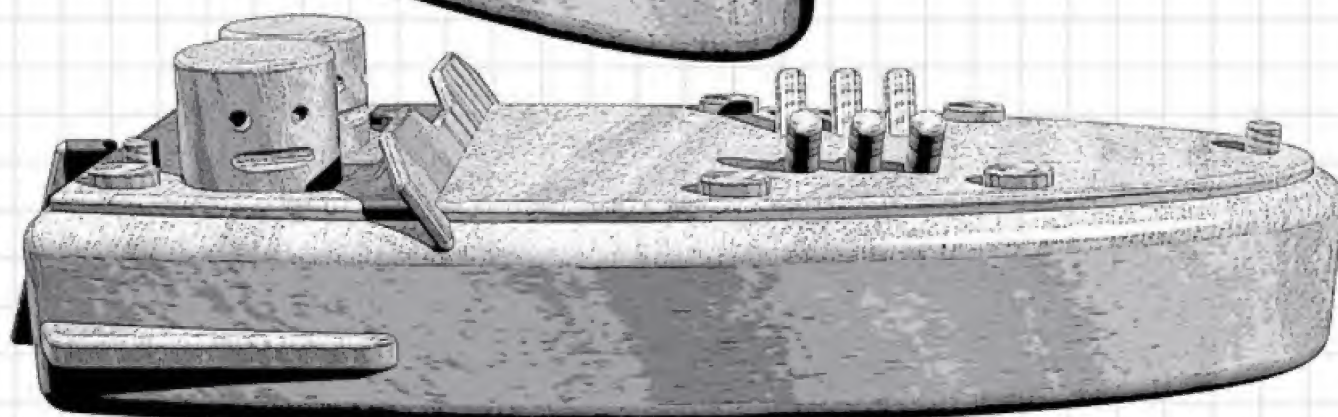
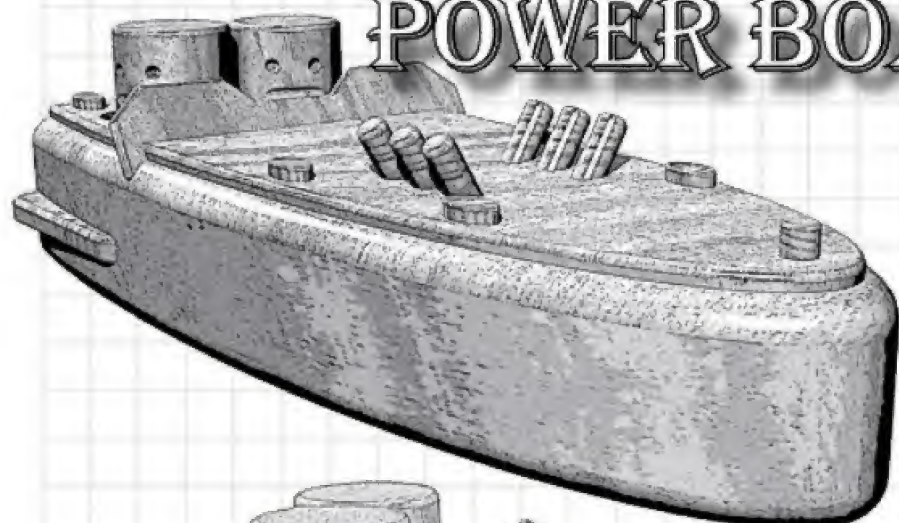


**Part 1**  
**SIDE VIEW**

**COAST GUARD**  
**CUTTER**



# POWER BOAT



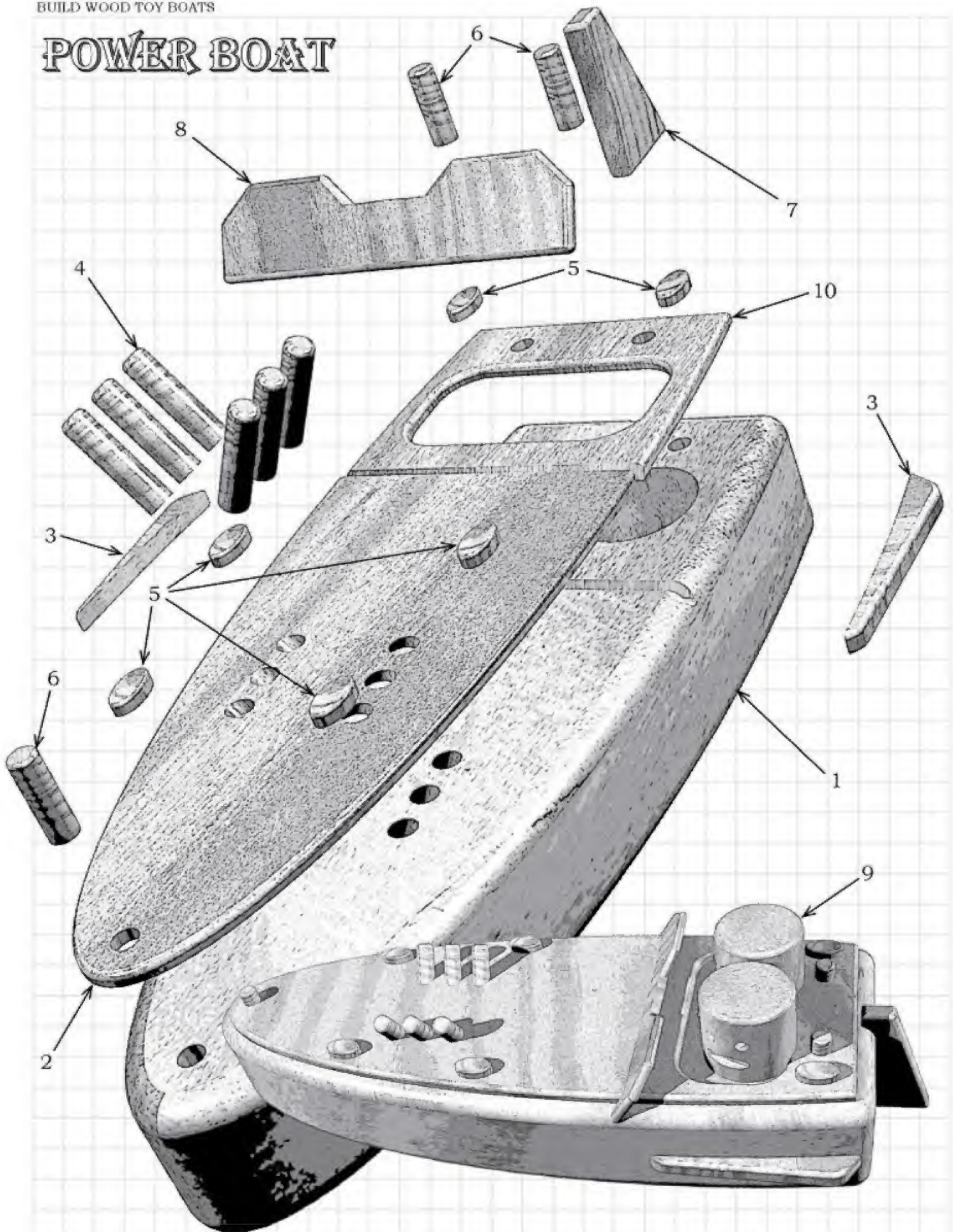
Craft it with a saber saw or scroll saw and a hand or power drill using pine or white wood.

Finish by adding a soft radius to each edge and applying several coats clear non-toxic enamel.

The Power Boat has a high power to weight ratio and a hull designed for high speed and fast handling. The shape of the boat is streamlined which minimizes air resistance and increases speed.

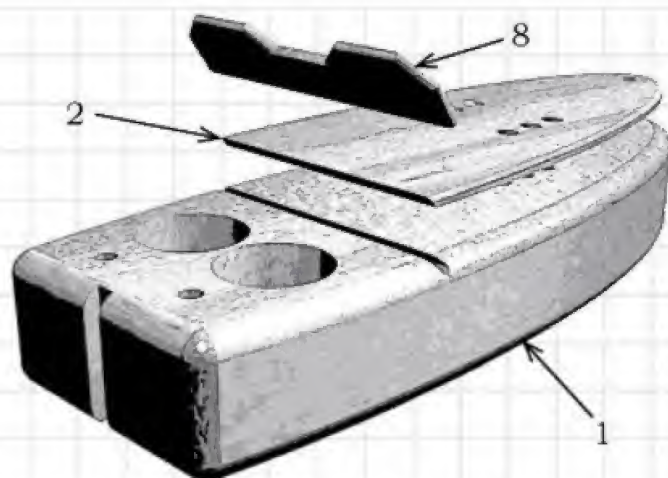


# POWER BOAT

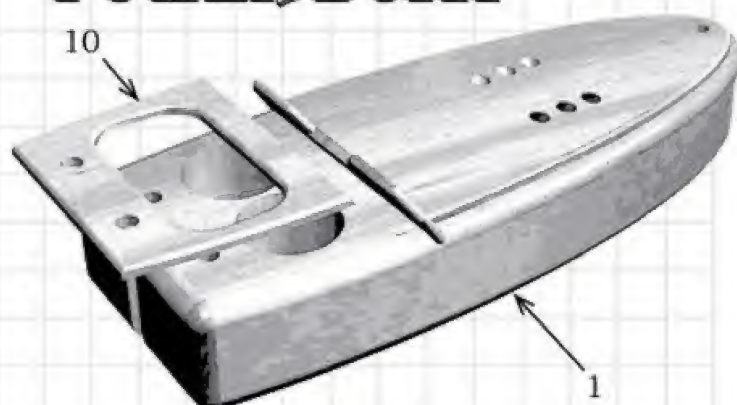




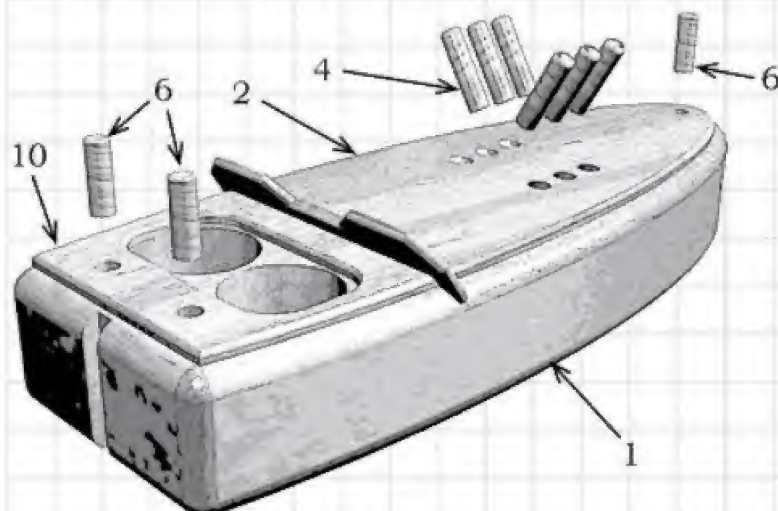
# POWER BOAT



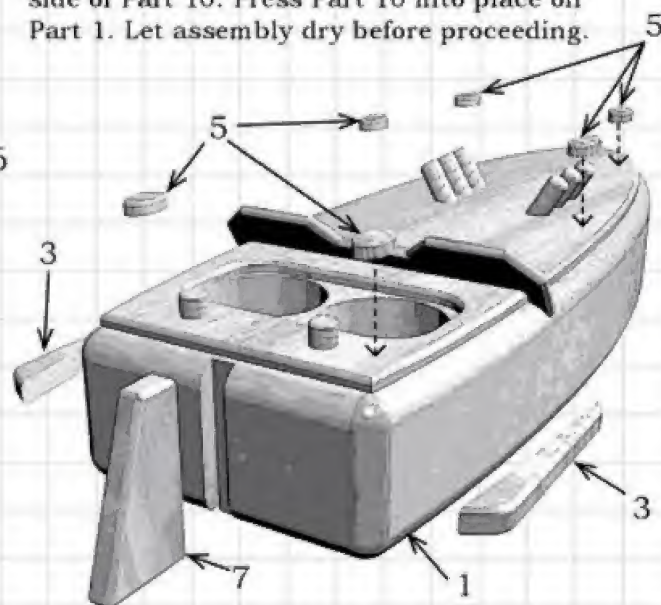
1. Add woodworker's white glue to bottom of Part 2 and bottom edge of Part 8. Press Part 2 in place on Part 1. Press Part 8 into slot in Part 1. Let assembly dry before proceeding.



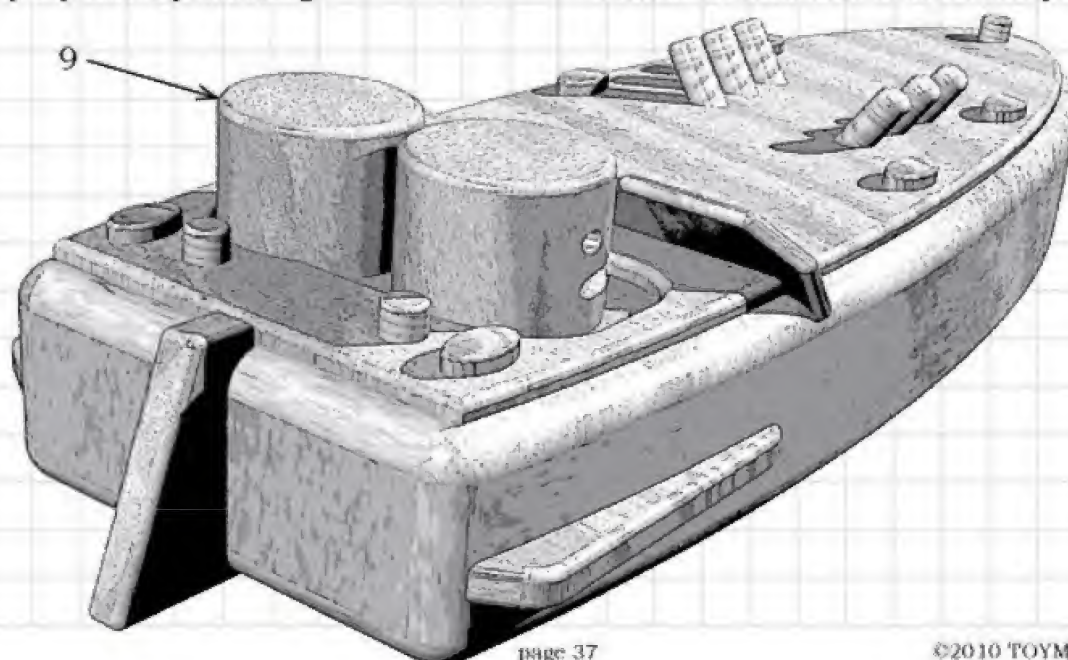
2. Add woodworker's white glue to bottom side of Part 10. Press Part 10 into place on Part 1. Let assembly dry before proceeding.



3. Apply woodworker's white glue to bottom edges of each Part 4 and Part 6. Press each into position through Part 1, Part 2 and Part 10. Let assembly dry before proceeding.



4. Apply woodworker's white glue to slot in back of Part 1. Press Part 7 into place. Add glue to inside edges of each Part 3. Press into place. Add glue to bottoms of each Part 5. Press into place and let dry.





**NOTE: Add radius to edges with sandpaper or router.**

BUILD WOOD TOY BOATS

# POWER BOAT

**Part 3. BLOCK SIZE**  
1/4" 1/2" X 3"  
(Make 2)

1/4" DIA. HOLE  
3/8" DEEP

Note: Make a photo  
copy of each pattern.  
Cut out pattern  
and spray the back  
side with removable  
adhesive. Adhere  
pattern to wood as a  
guide when sawing  
out the parts.

1/4" DIA. HOLE  
1/2" DEEP 6 PLACES  
AT 60 DEGREES

OPTION: DRILL  
HOLES AT 90  
DEGREES

## NOTE:

Before drilling holes in Part 2 and  
Part 10, glue Part 2 and Part 10 to  
Part 1 and let dry.

**Part 1. BLOCK SIZE**  
1-1/2" X 3-3/4" X 10"  
(Make 1)

**Part 1  
SIDE VIEW**

1/8" X 1/4" DEEP SLOT AT 60 DEGREES

**Part 1  
TOP VIEW**

1-1/4" DIA.  
HOLE  
1-1/4" DEEP

1-1/4" DIA.  
HOLE  
1-1/4" DEEP

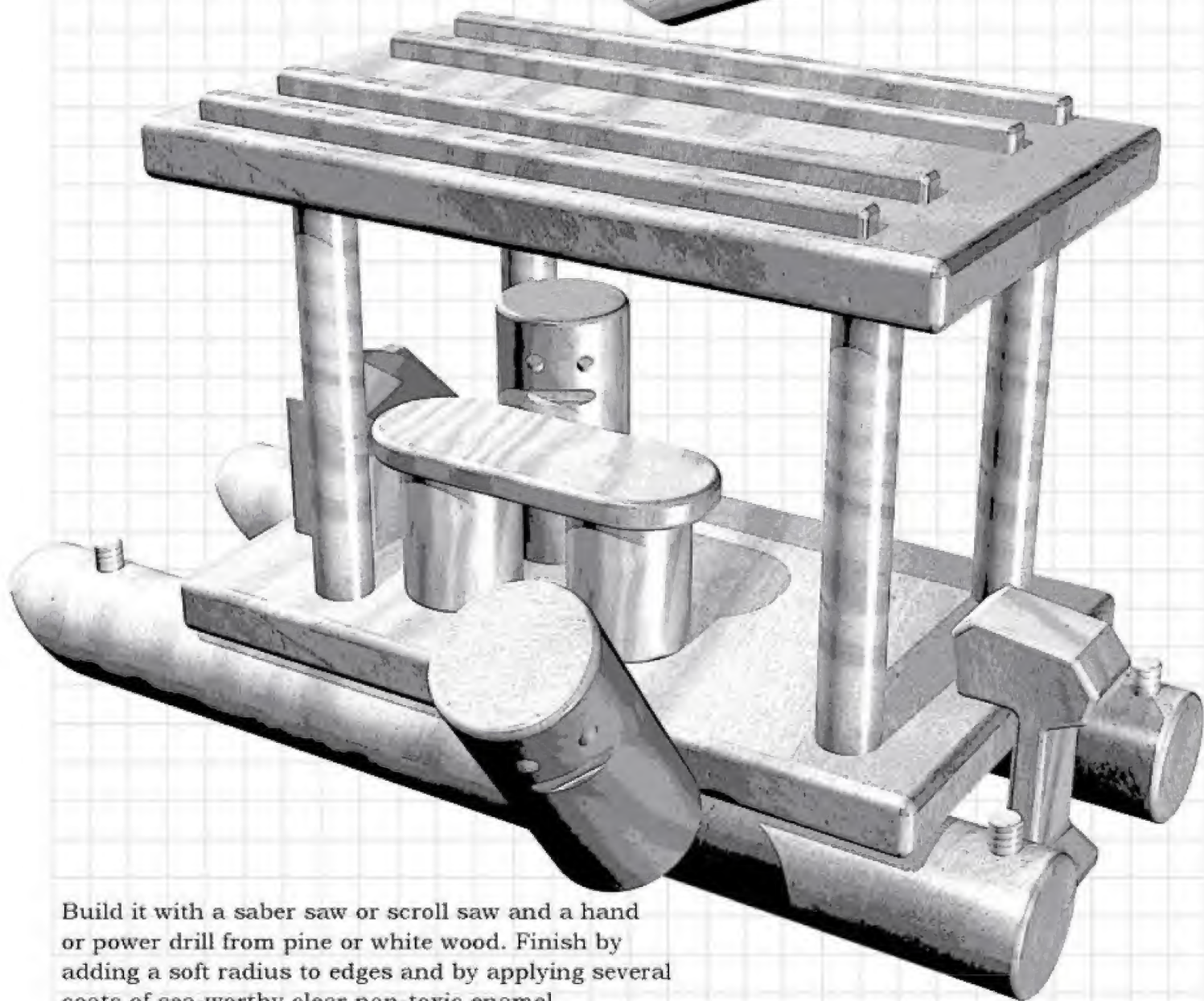
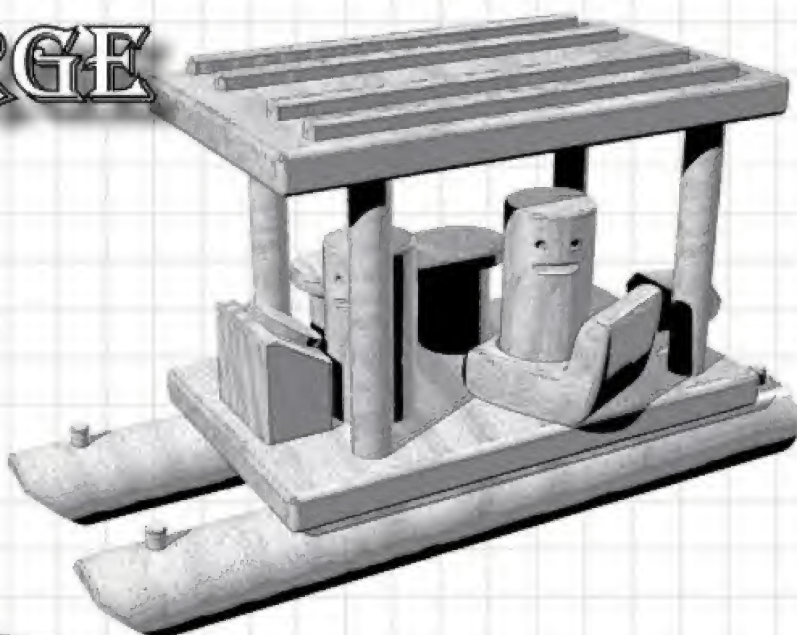
1/4" DIA. HOLE  
3/8" DEEP

**Part 6. DOWEL SIZE**  
1/4" DIA. X 3/4"  
(Make 3)



# PARTY BARGE

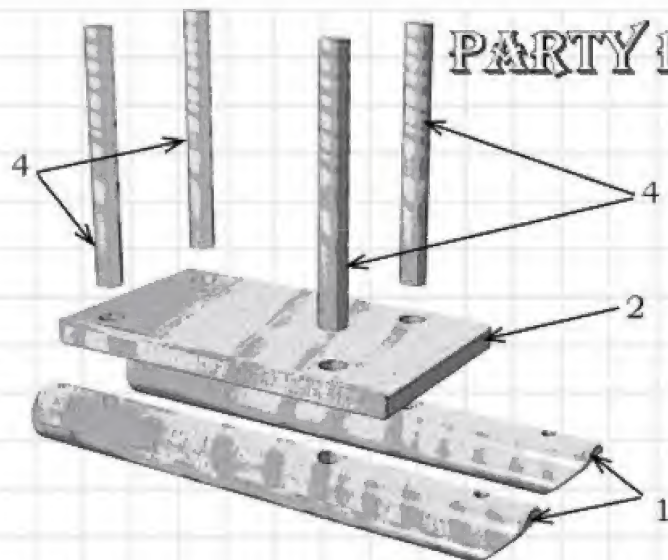
The Party Barge is known for fun summertime float parties on calm lakes or rivers. The pontoon style boat can carry at least 8 party people and their gear. A Party Barge is perfect to take out on the lake or river on a hot summer day. You can also take along a table and chairs for comfort and games. Party Barges are famous for lots of food, drink and laughter.



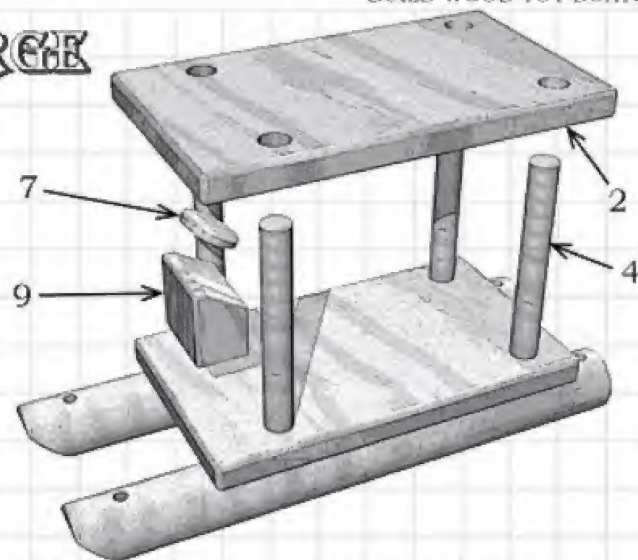
Build it with a saber saw or scroll saw and a hand or power drill from pine or white wood. Finish by adding a soft radius to edges and by applying several coats of sea-worthy clear non-toxic enamel.



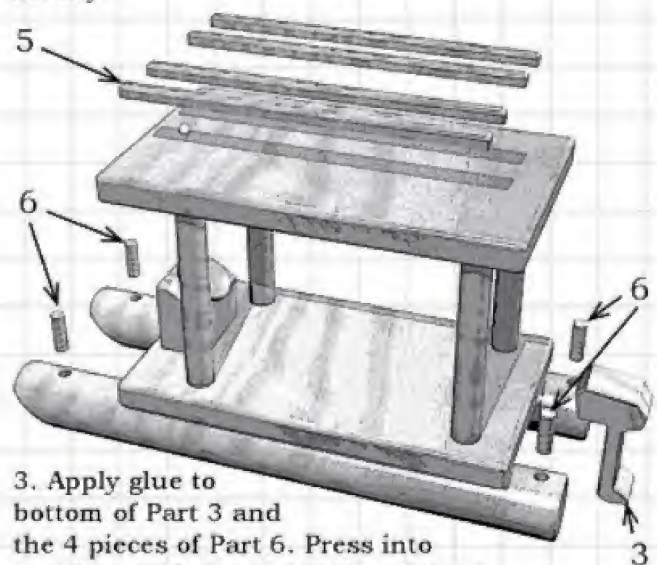
# PARTY BARGE



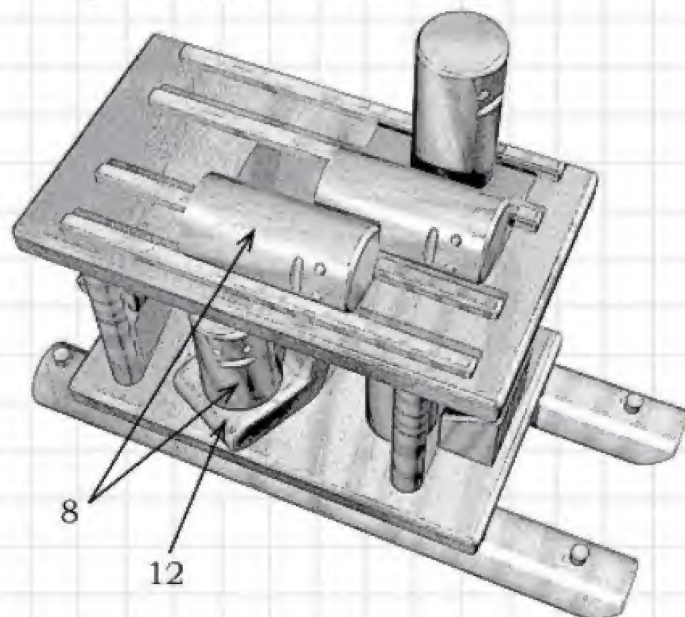
1. Add woodworker's white glue to ends of each Part 4. Press Part 4 thru Part 2 and into Part 1. Let dry.



2. Add glue to bottom of Part 7 and Part 9. Press in place. Add glue to tops of Part 4 and press Part 2 into place on Part 4. Let assembly dry.



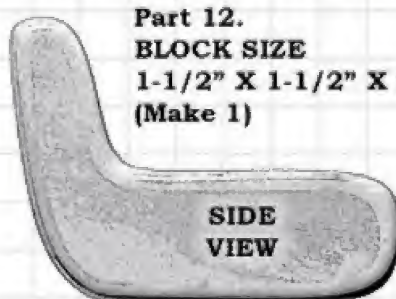
3. Apply glue to bottom of Part 3 and the 4 pieces of Part 6. Press into position. Add glue to bottom of the 4 pieces of Part 5 and press into place. Let dry.



4. To make table, apply glue to top of each Part 11 and press into position on bottom side of Part 10. Let dry.



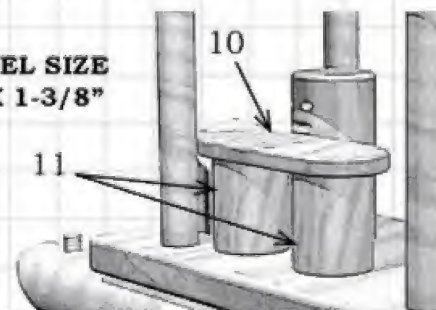
**Part 10. BLOCK SIZE 1/4" X 1-1/2" x 3-1/2"**  
(Make 1)



**Part 12. BLOCK SIZE 1-1/2" X 1-1/2" X 2-1/2"**  
(Make 1)



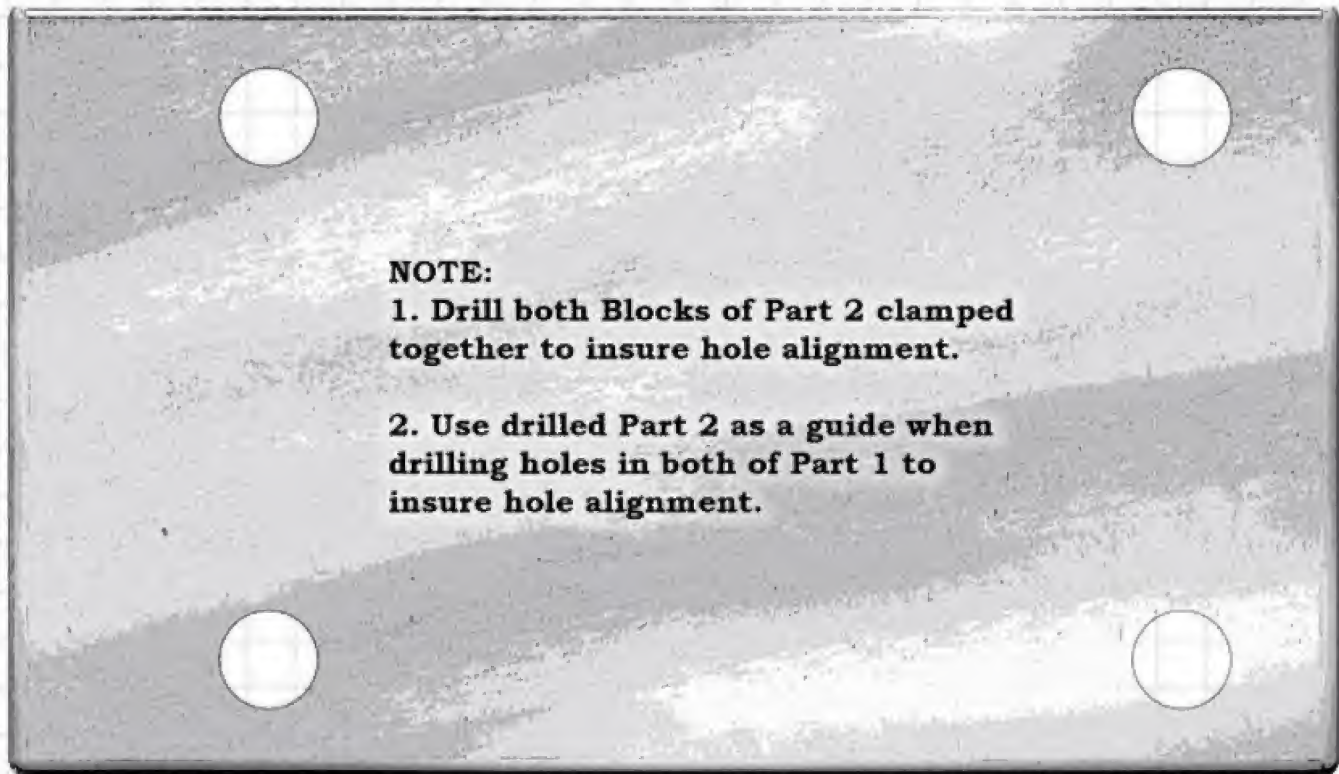
**Part 11. DOWEL SIZE 1-1/8" DIA. X 1-3/8"**  
(Make 2)





**NOTE: Patterns shown are full size. Make photo copy for cutting guide.**

BUILD WOOD TOY BOATS



**NOTE:**

**1. Drill both Blocks of Part 2 clamped together to insure hole alignment.**

**2. Use drilled Part 2 as a guide when drilling holes in both of Part 1 to insure hole alignment.**

**Part 2. BLOCK SIZE 1/2" X 4" X 7" (Make 2)**



**Part 5. BLOCK SIZE 1/4" X 1/4" X 5-3/4" (Make 4)**



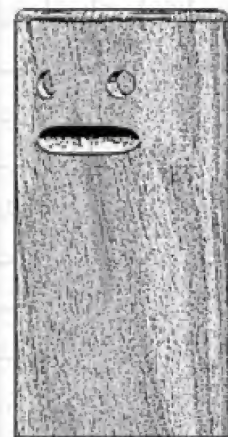
**Part 9. BLOCK SIZE  
1" X 1-3/8" X 1-1/2"  
(Make 1)**



**Part 6. DOWEL SIZE  
1/4" DIA. X 3/4"  
(Make 4)**



**Part 7. DOWEL SIZE  
1-1/8" DIA. X 1/8"  
(Make 1)**



**Part 8. DOWEL SIZE  
1-1/8" DIA. X 2-1/4"  
(Make 2 or more)**

**PARTY BARGE**



**NOTE: Add radius to edges with sandpaper or router.**

BUILD WOOD TOY BOATS

# PARTY BARGE



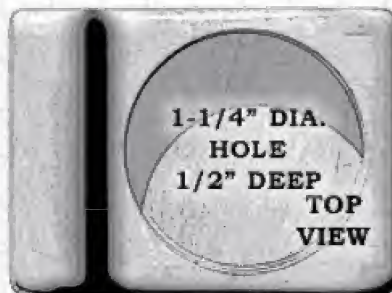
**Part 3. BLOCK SIZE**  
3/4" X 1-3/8" X 2-3/8"  
(MAKE 1)



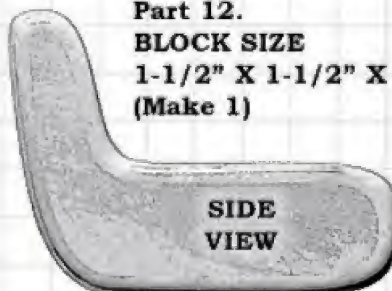
**Part 10. BLOCK SIZE**  
1/4" X 1-1/2" X 3-1/2"  
(Make 1)



**Part 11. DOWEL SIZE**  
1-1/8" DIA. X 1-3/8"  
(Make 2)

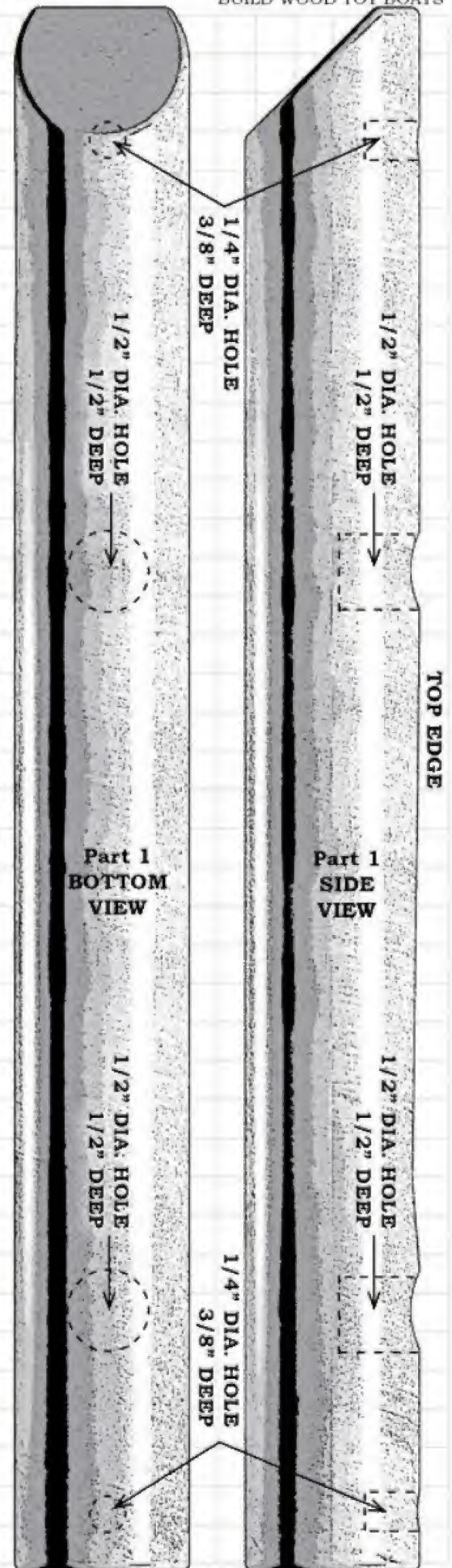


**Part 12. BLOCK SIZE**  
1-1/2" X 1-1/2" X 2-1/2"  
(Make 1)



**Part 4. DOWEL SIZE**  
1/2" DIA. X 4-5/8"  
(Make 4)

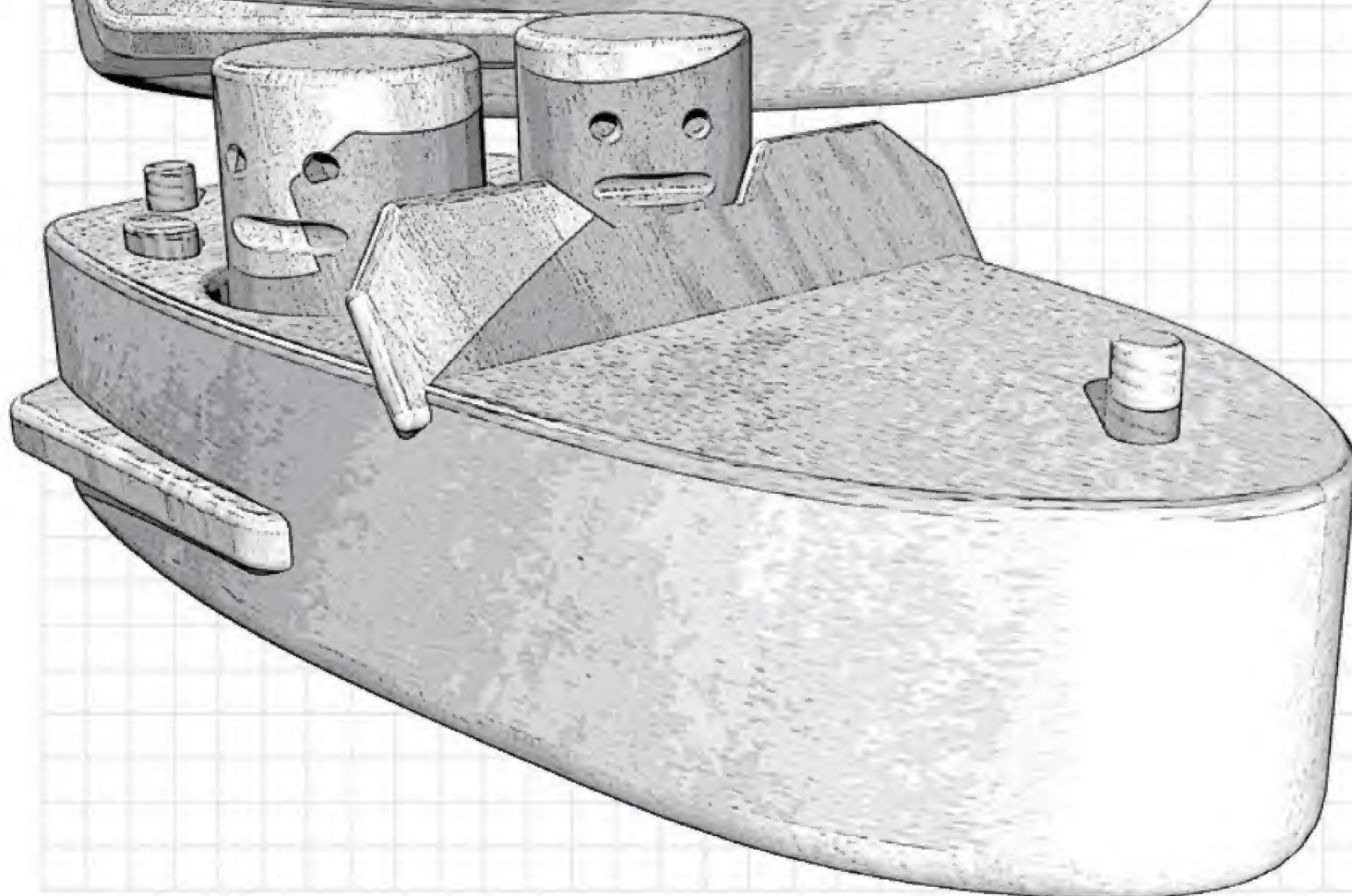
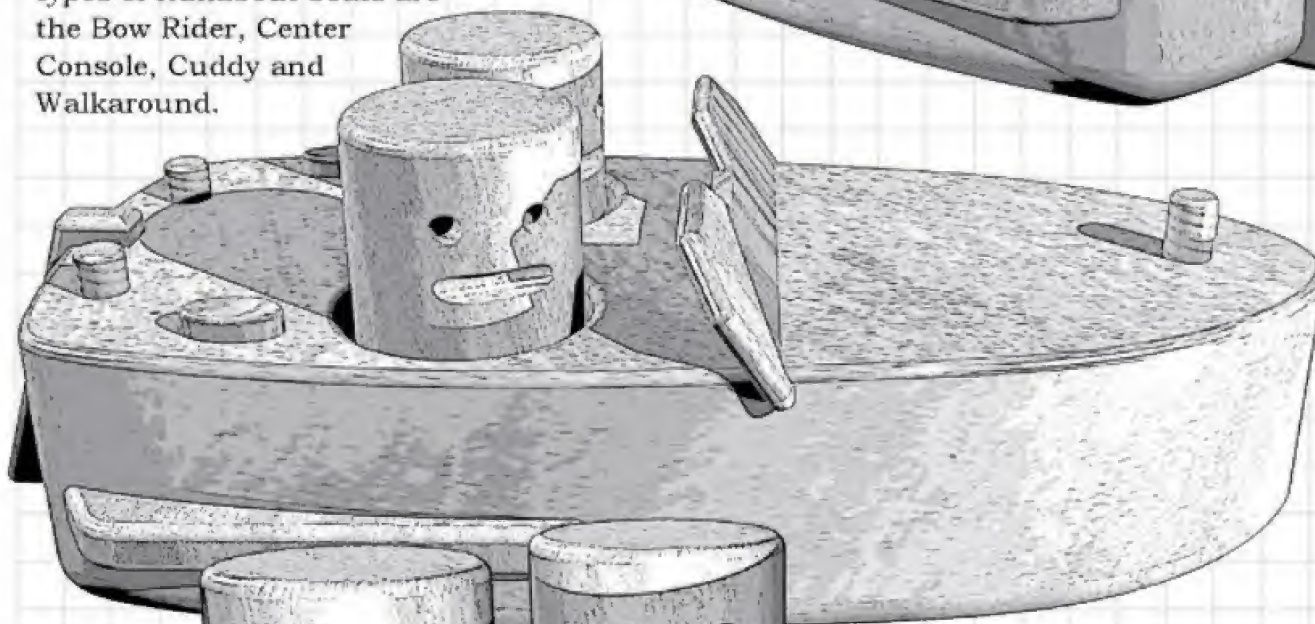
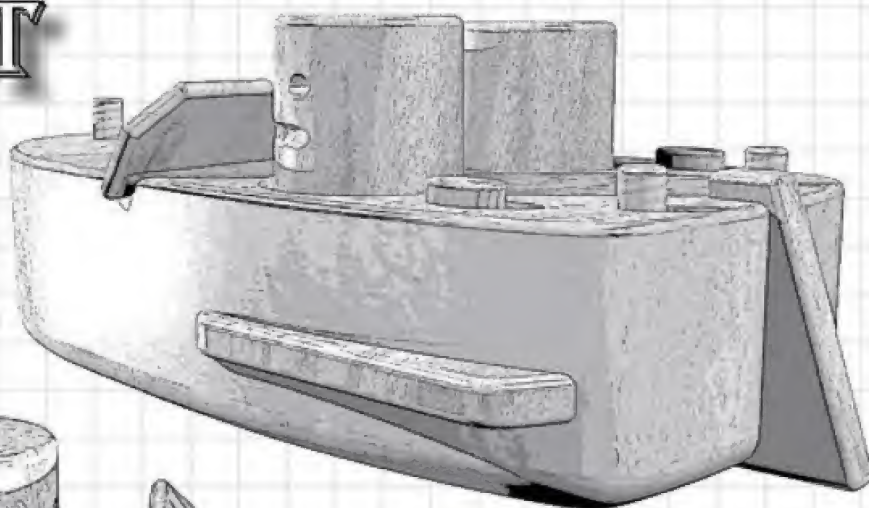
**Part 1. DOWEL SIZE**  
1-1/8" DIA. X 10-1/4"  
(Make 2)





# RUNABOUT

A Runabout is a small motorboat designed for two to eight people depending on it's size. It's ideal for day trips on the water. Runabouts are for racing, pleasure activities like fishing and water skiing, or as a tender for yachts. Some types of Runabout boats are the Bow Rider, Center Console, Cuddy and Walkaround.

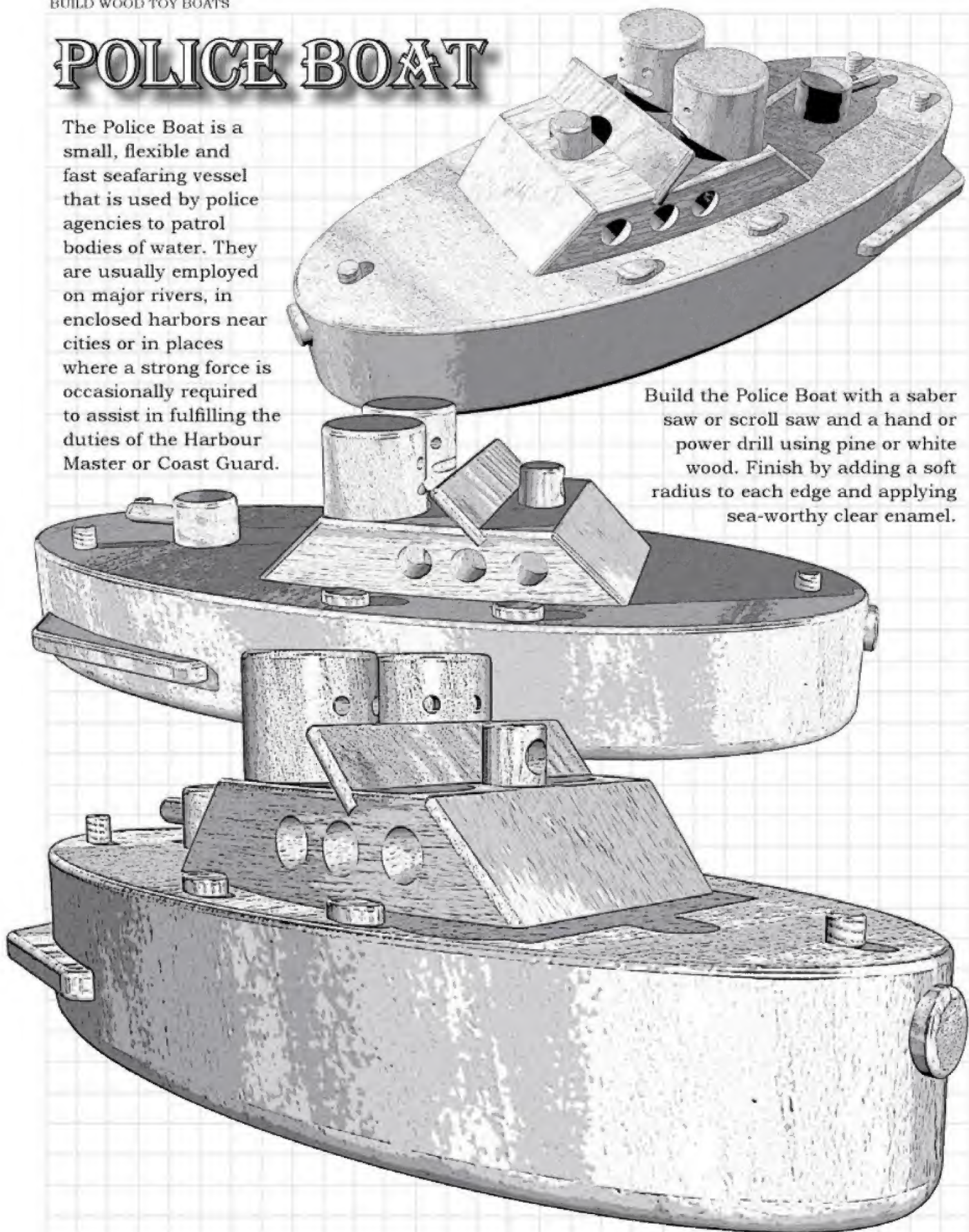




# POLICE BOAT

The Police Boat is a small, flexible and fast seafaring vessel that is used by police agencies to patrol bodies of water. They are usually employed on major rivers, in enclosed harbors near cities or in places where a strong force is occasionally required to assist in fulfilling the duties of the Harbour Master or Coast Guard.

Build the Police Boat with a saber saw or scroll saw and a hand or power drill using pine or white wood. Finish by adding a soft radius to each edge and applying sea-worthy clear enamel.



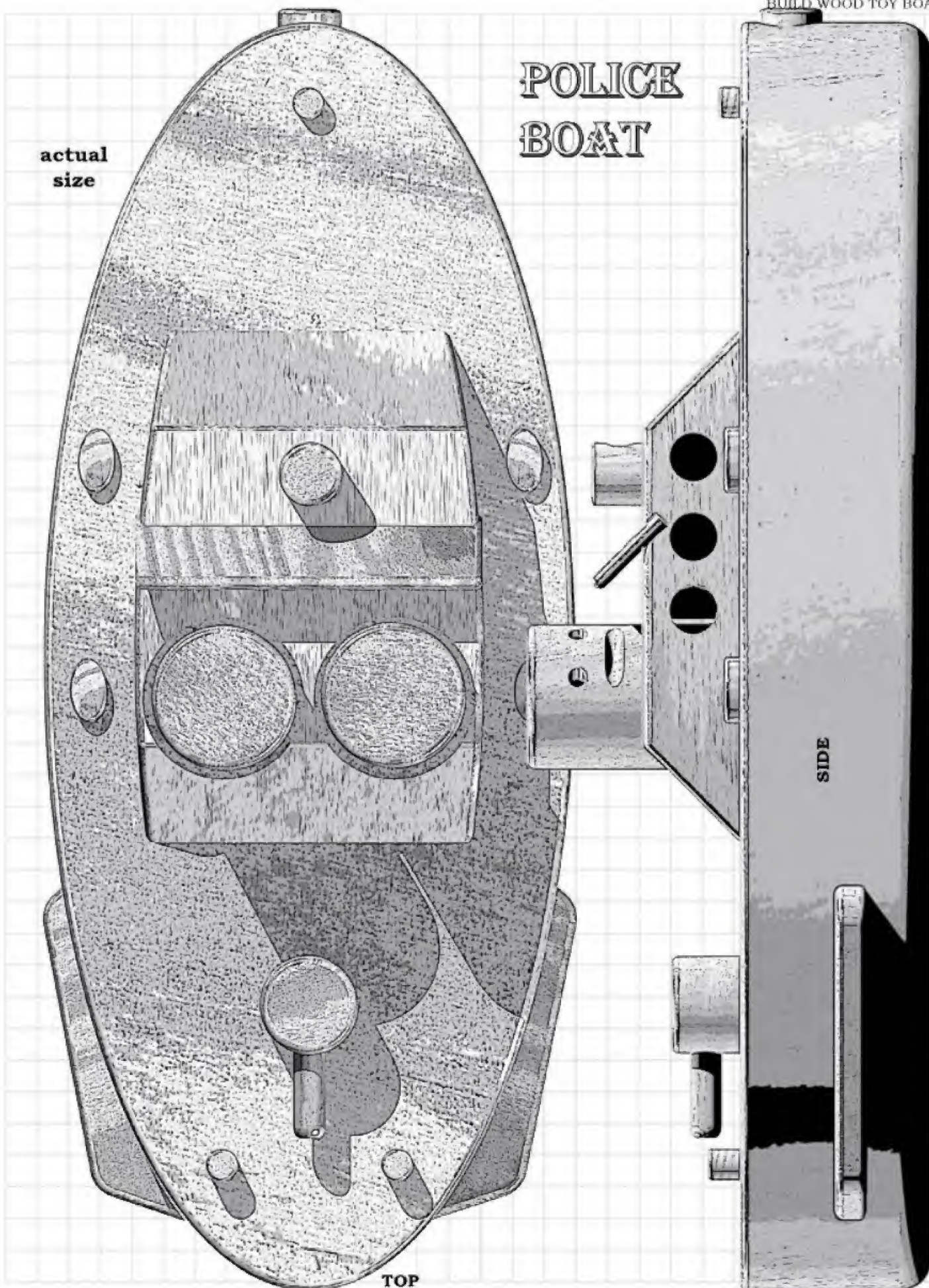


# POLICE BOAT

actual  
size

SIDE

TOP

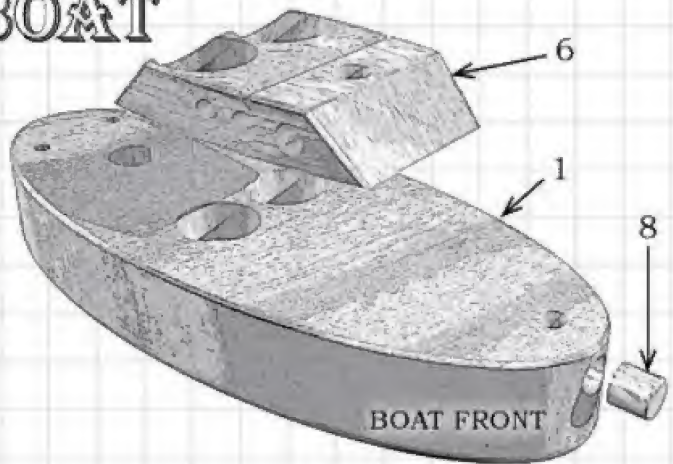
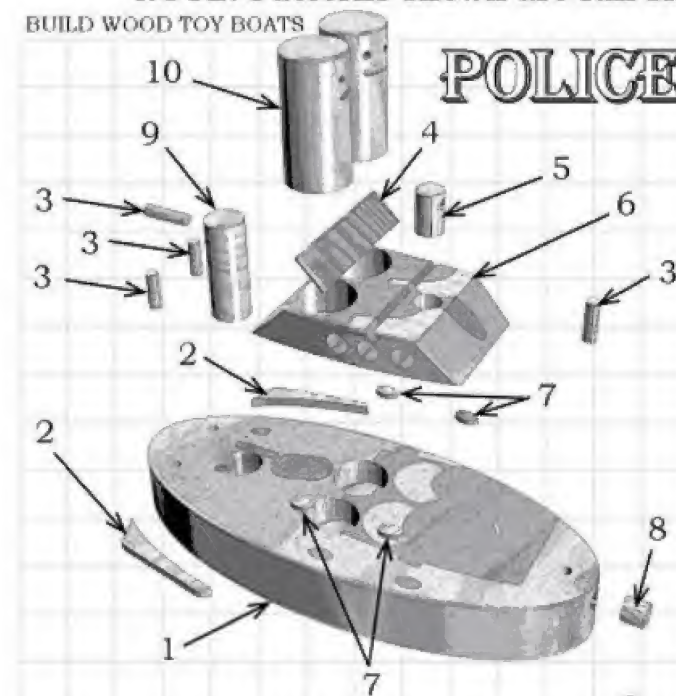




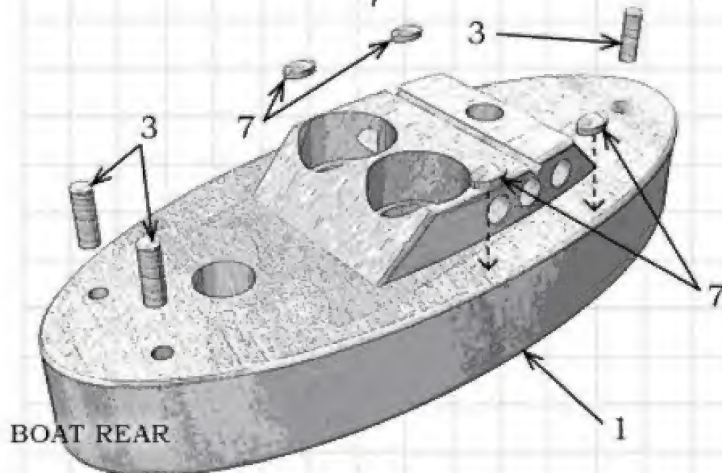
**NOTE: Patterns shown are full size. Make photo copy for cutting guide.**

BUILD WOOD TOY BOATS

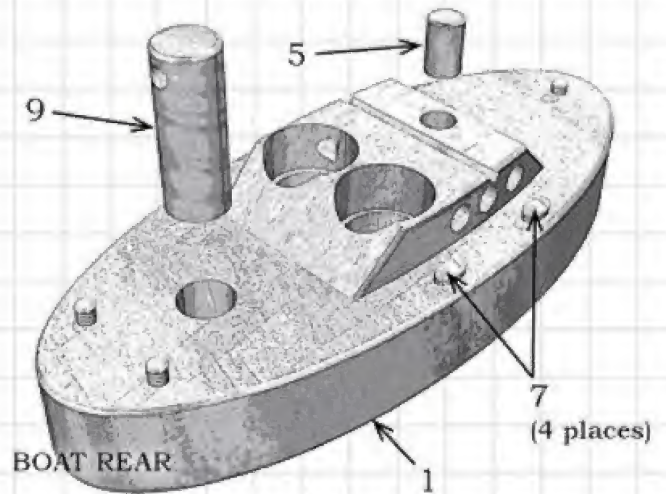
# POLICE BOAT



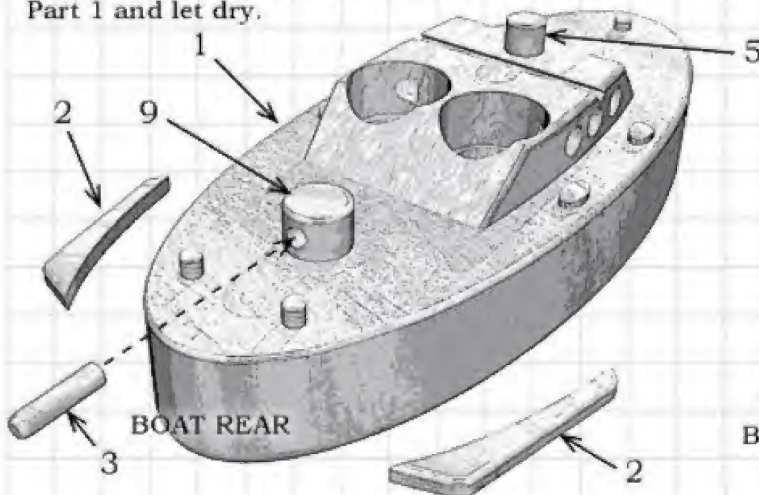
1. Add woodworker's white glue to bottom of Part 6 and to the edge of Part 8. Press each in place on Part 1. Let assembly dry completely.



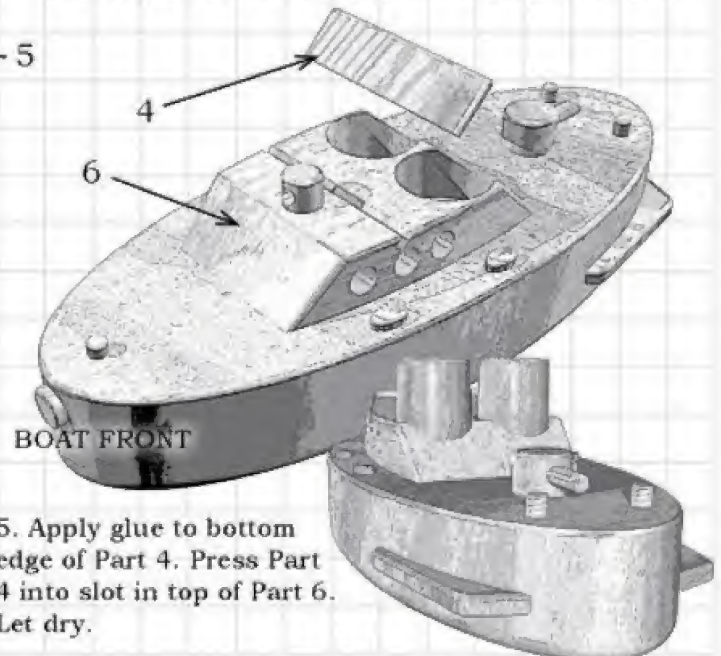
2. Add woodworker's white glue to bottom of three Part 3 parts. Press the Part 3 parts into place in the 3 holes in Part 1. Add glue to bottom side of each Part 7. Press into place on Part 1 and let dry.



3. Apply woodworker's white glue to bottom of Part 5 and Part 9. Press into position on Part 1 and let dry. Hole at top of Part 9 faces towards rear of Part 1. Part 5 hole faces to front of Part 1.



4. Apply woodworker's white glue to inside edge of one Part 3 part. Press Part 3 into hole in Part 9. Apply glue to inside edges of Part 2. Press into position on Part 1. Let dry.



5. Apply glue to bottom edge of Part 4. Press Part 4 into slot in top of Part 6. Let dry.



**NOTE: Add radius to edges with sandpaper or router.**

BUILD WOOD TOY BOATS



**Part 4. BLOCK SIZE**  
1/8" X 3/4" X 2-3/4"  
(Make 1)



**Part 7. BLOCK SIZE**  
1/8" X 1/2"  
X 5/8"  
(Make 4)

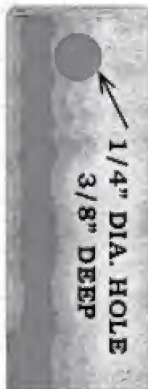
**Part 5. DOWEL SIZE**  
1/2" DIA. X 13/16"  
(Make 1)



**Part 8. DOWEL SIZE**  
1/2" DIA. X 1/2"  
(Make 1)



**Part 9. DOWEL SIZE**  
3/4" DIA. X 2"  
(Make 1)



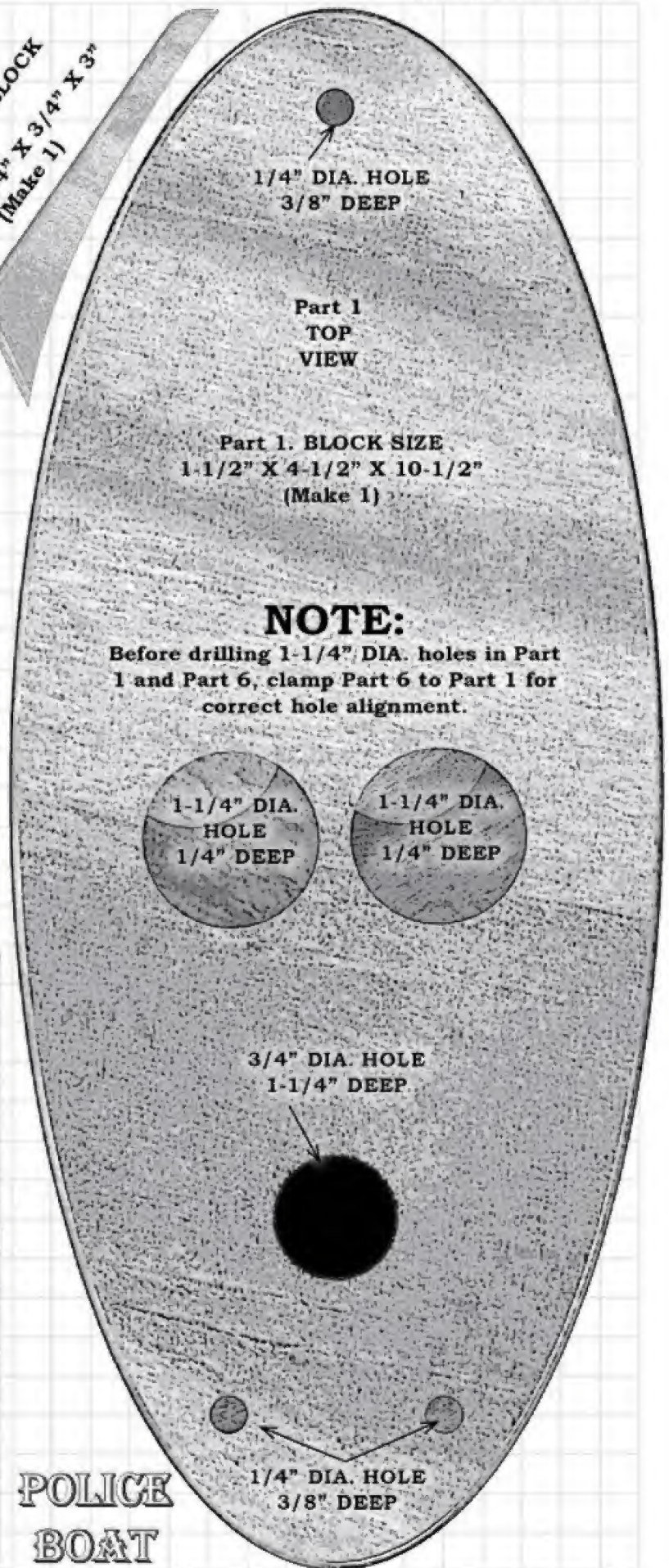
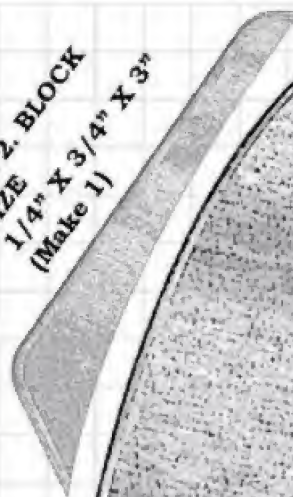
**Part 3. DOWEL SIZE**  
1/4" DIA. X 1"  
(Make 4)



1/4" DIA. HOLE  
3/8" DEEP

**Part 10. DOWEL SIZE**  
1-1/8" DIA.  
X 2-1/4"  
(Make 2)

**Part 2. BLOCK**  
SIZE  
1/4" X 3/4" X 3"  
(Make 1)



1/4" DIA. HOLE  
3/8" DEEP

**Part 1**  
**TOP**  
**VIEW**

**Part 1. BLOCK SIZE**  
1-1/2" X 4-1/2" X 10-1/2"  
(Make 1)

## NOTE:

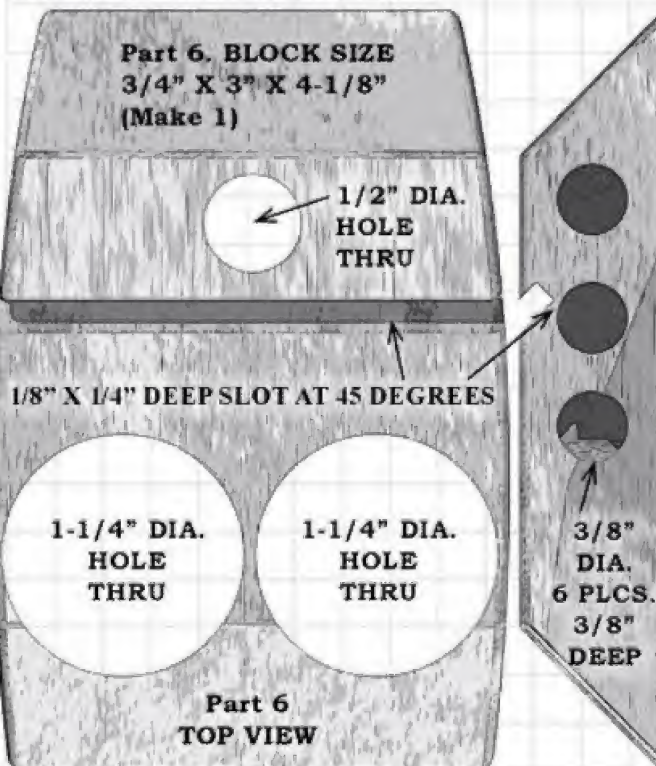
Before drilling 1-1/4" DIA. holes in Part 1 and Part 6, clamp Part 6 to Part 1 for correct hole alignment.

1-1/4" DIA.  
HOLE  
1/4" DEEP

1-1/4" DIA.  
HOLE  
1/4" DEEP

3/4" DIA. HOLE  
1-1/4" DEEP

1/4" DIA. HOLE  
3/8" DEEP



**Part 6. BLOCK SIZE**  
3/4" X 3" X 4-1/8"  
(Make 1)

1/2" DIA.  
HOLE  
THRU

1/8" X 1/4" DEEP SLOT AT 45 DEGREES

1-1/4" DIA.  
HOLE  
THRU

1-1/4" DIA.  
HOLE  
THRU

**Part 6**  
**TOP**  
**VIEW**

3/8" DIA.  
6 PLCS.  
3/8" DEEP

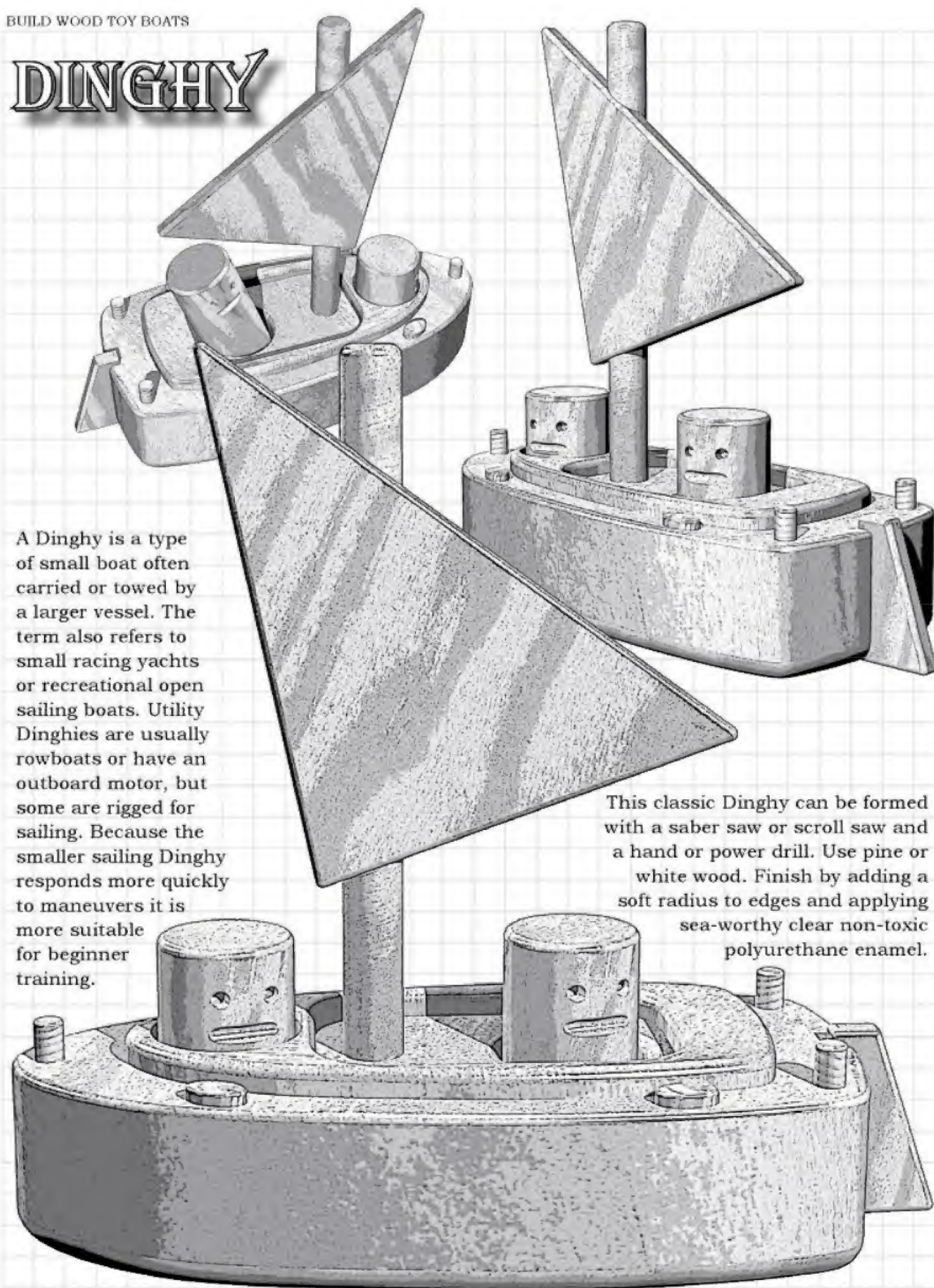
**POLICE**  
**BOAT**



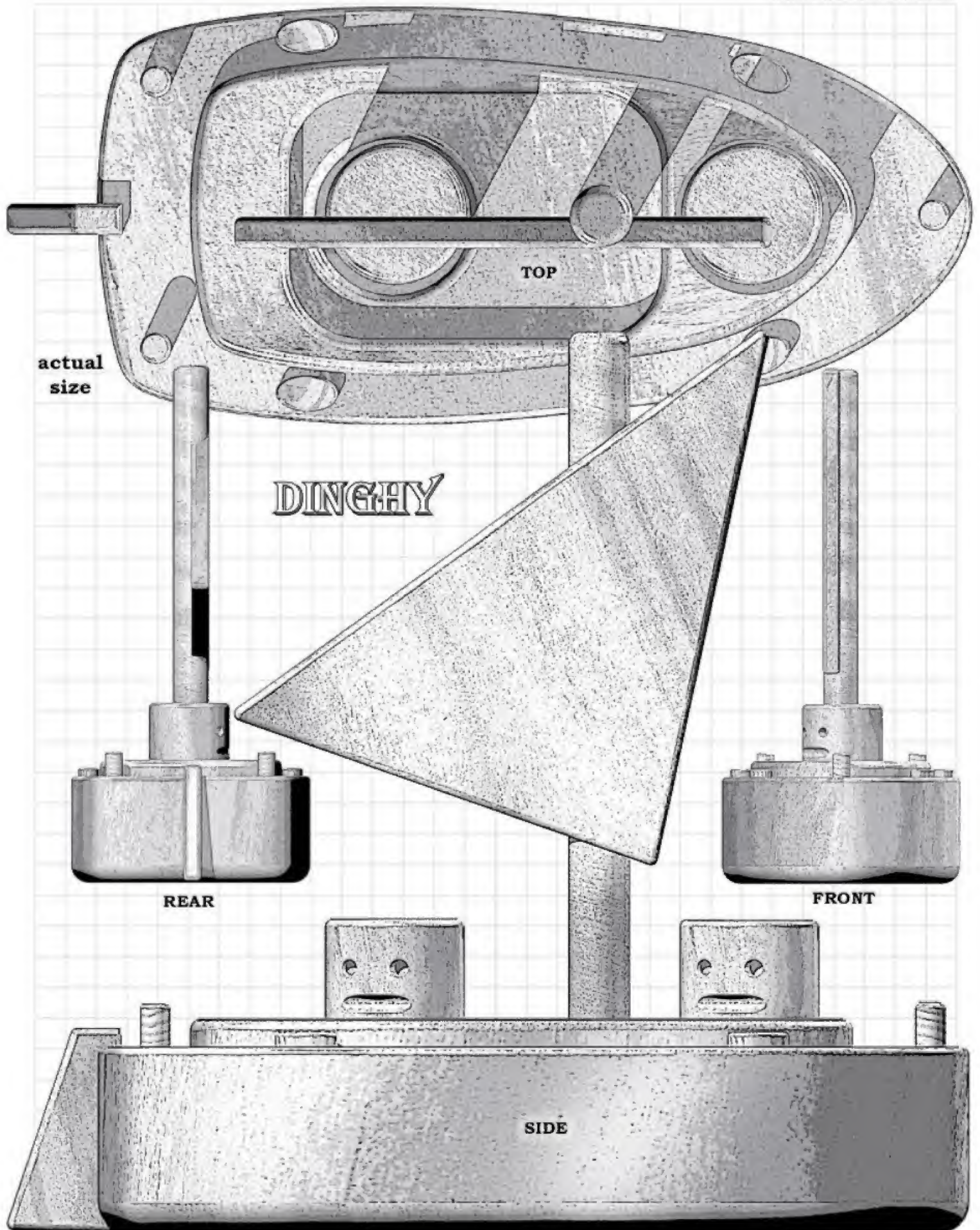
# DINGHY

A Dinghy is a type of small boat often carried or towed by a larger vessel. The term also refers to small racing yachts or recreational open sailing boats. Utility Dinghies are usually rowboats or have an outboard motor, but some are rigged for sailing. Because the smaller sailing Dinghy responds more quickly to maneuvers it is more suitable for beginner training.

This classic Dinghy can be formed with a saber saw or scroll saw and a hand or power drill. Use pine or white wood. Finish by adding a soft radius to edges and applying sea-worthy clear non-toxic polyurethane enamel.





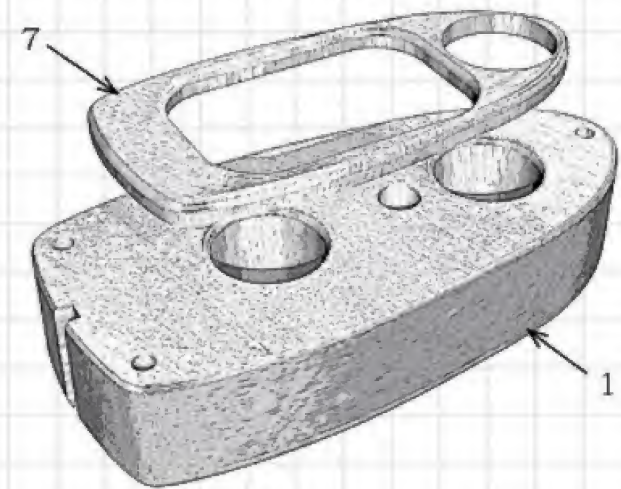
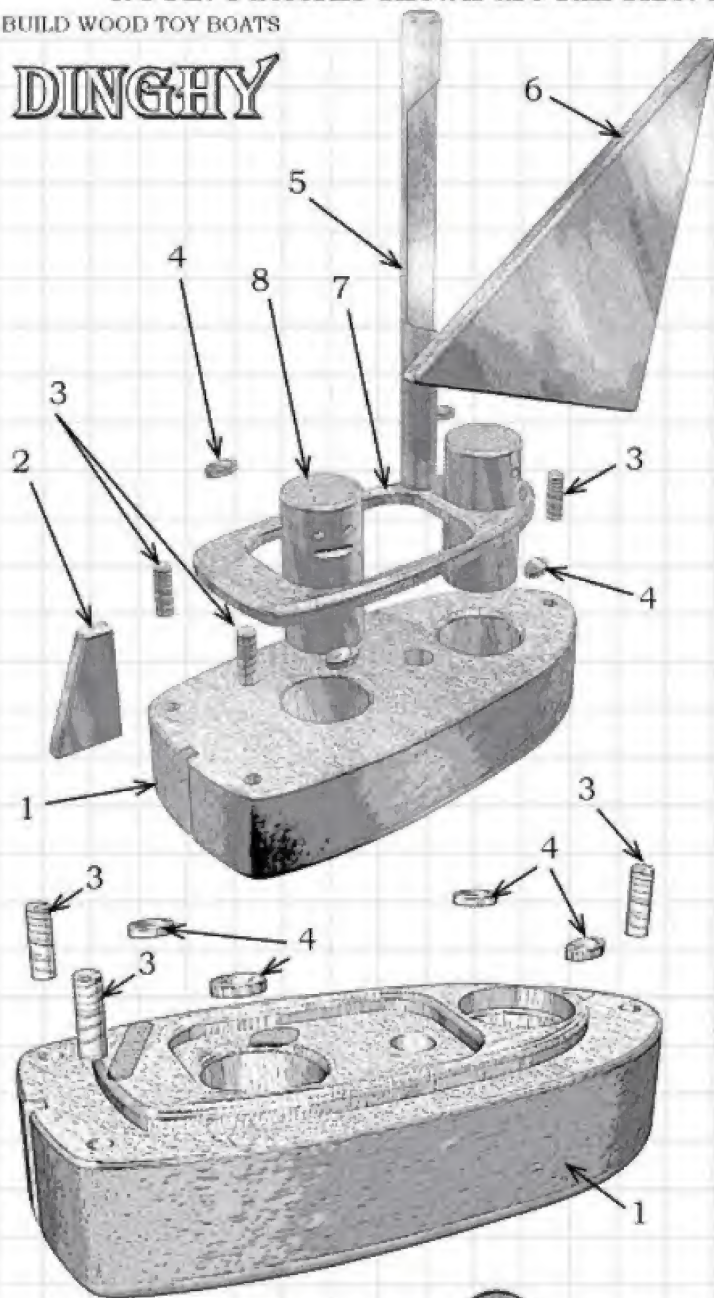




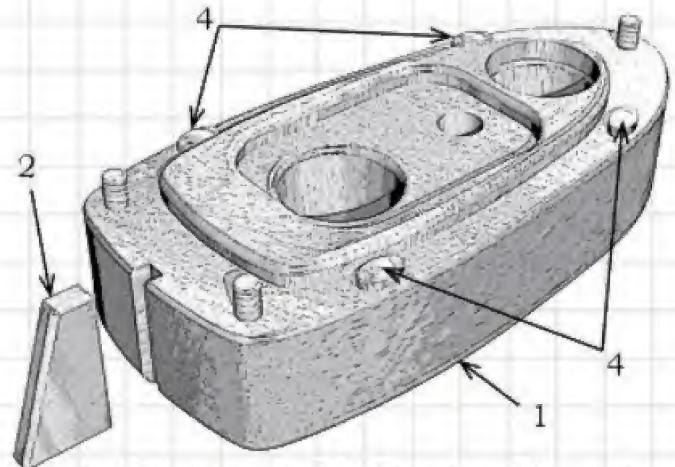
**NOTE: Patterns shown are full size. Make photo copy for cutting guide.**

BUILD WOOD TOY BOATS

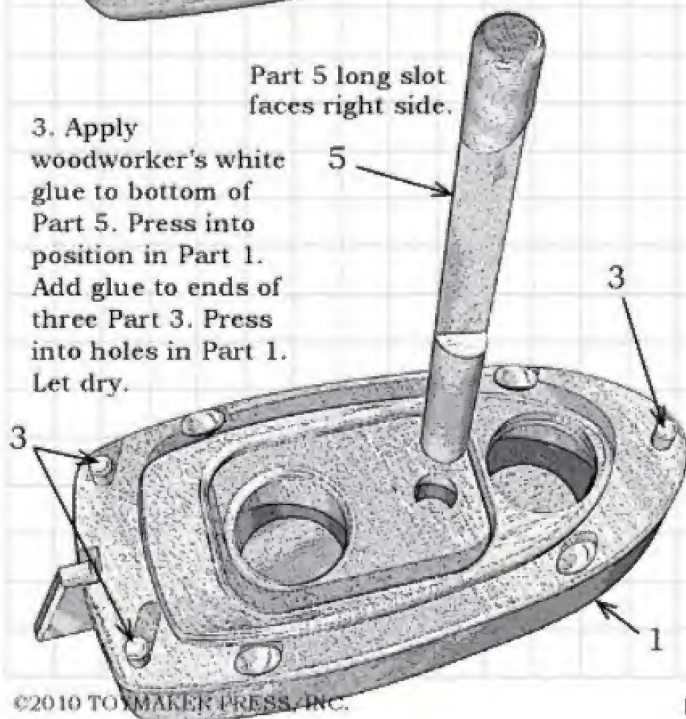
# DINGHY



1. Add woodworker's white glue to bottom of Part 7. Press Part 7 into place on Part 1. Let assembly dry before proceeding.

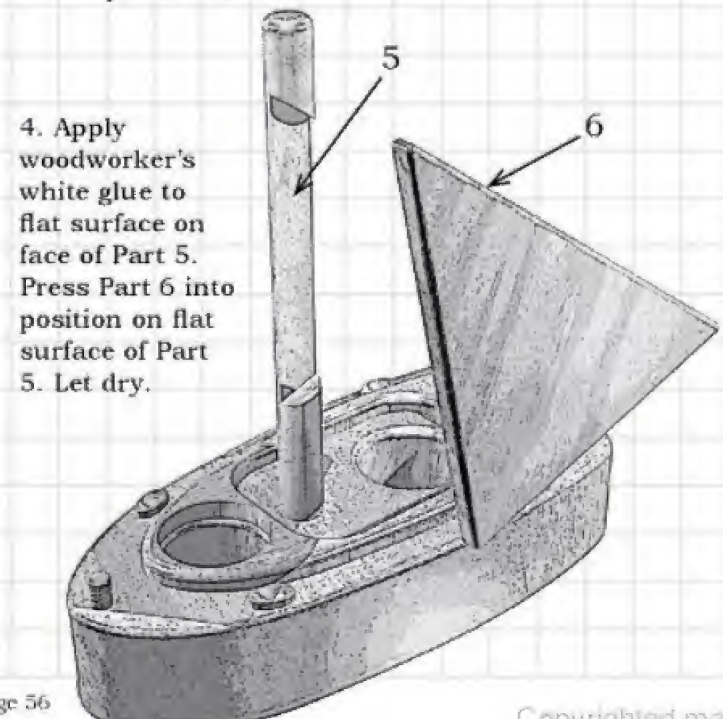


2. Add woodworker's white glue to front edge Part 2. Press Part 2 into place in Part 1. Add glue to bottom of four Part 4. Press into place on Part 1.



Part 5 long slot faces right side.

3. Apply woodworker's white glue to bottom of Part 5. Press into position in Part 1. Add glue to ends of three Part 3. Press into holes in Part 1. Let dry.



4. Apply woodworker's white glue to flat surface on face of Part 5. Press Part 6 into position on flat surface of Part 5. Let dry.



**NOTE: Add radius to edges with sandpaper or router.**

BUILD WOOD TOY BOATS

# DINGHY

**Part 4. BLOCK SIZE**  
1/8" X 1/2" X 5/8"  
(Make 4)

**Part 3. DOWEL SIZE**  
1/4" DIA. X  
3/4"  
(Make 3)

**Part 2. BLOCK SIZE**  
1/4" X 1" X  
1-5/8"  
(Make 1)

**Part 6. BLOCK SIZE** 1/4" X 4" X 4-1/2" (Make 1)

**Part 5. DOWEL SIZE** 1/2" DIA. X 6-1/2" (Make 1)

**Part 5**  
SIDE  
VIEW

**Part 5**  
FRONT  
VIEW

1-1/4" DIA.  
HOLE  
THRU

1/4" DIA. HOLE  
3/8" DEEP

1-1/4" DIA.  
HOLE  
1-1/4" DEEP

## NOTE:

Before drilling  
1-1/4" DIA.  
hole in Part  
1 and Part 7,  
clamp Part 7  
to Part 1 for  
correct hole  
alignment.

1/2" DIA. HOLE  
3/4" DEEP

**Part 1**  
TOP VIEW

1-1/4" DIA.  
HOLE  
1-1/4" DEEP

**Part 1. BLOCK SIZE**  
1-1/2" X 3-1/2" X 7-1/4"  
(Make 1)

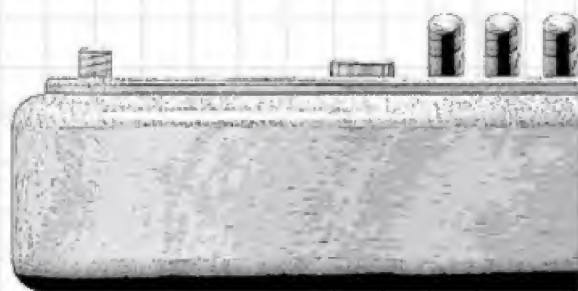
1/4" DIA. HOLE  
3/8" DEEP

**Part 8. DOWEL**  
SIZE 1-1/8" DIA. X  
2-1/4"  
(Make 2)

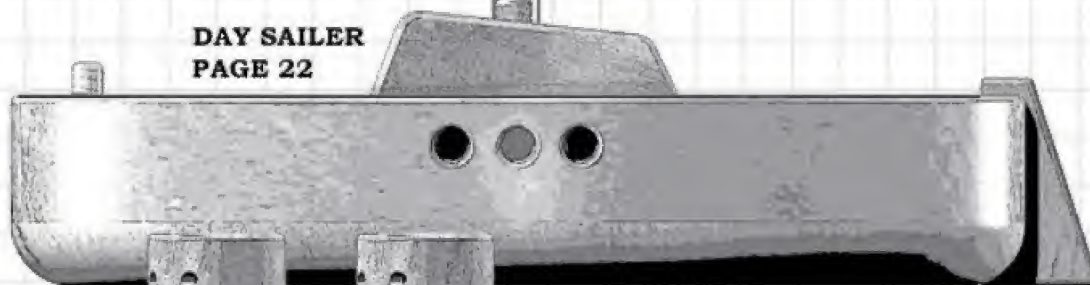
**Part 7. BLOCK SIZE**  
1/4" X 2-3/4" X 5-1/2"  
(Make 1)



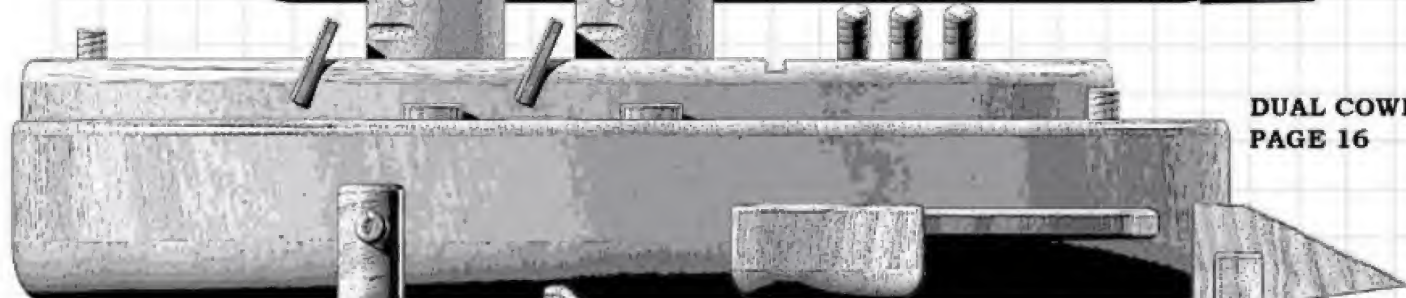
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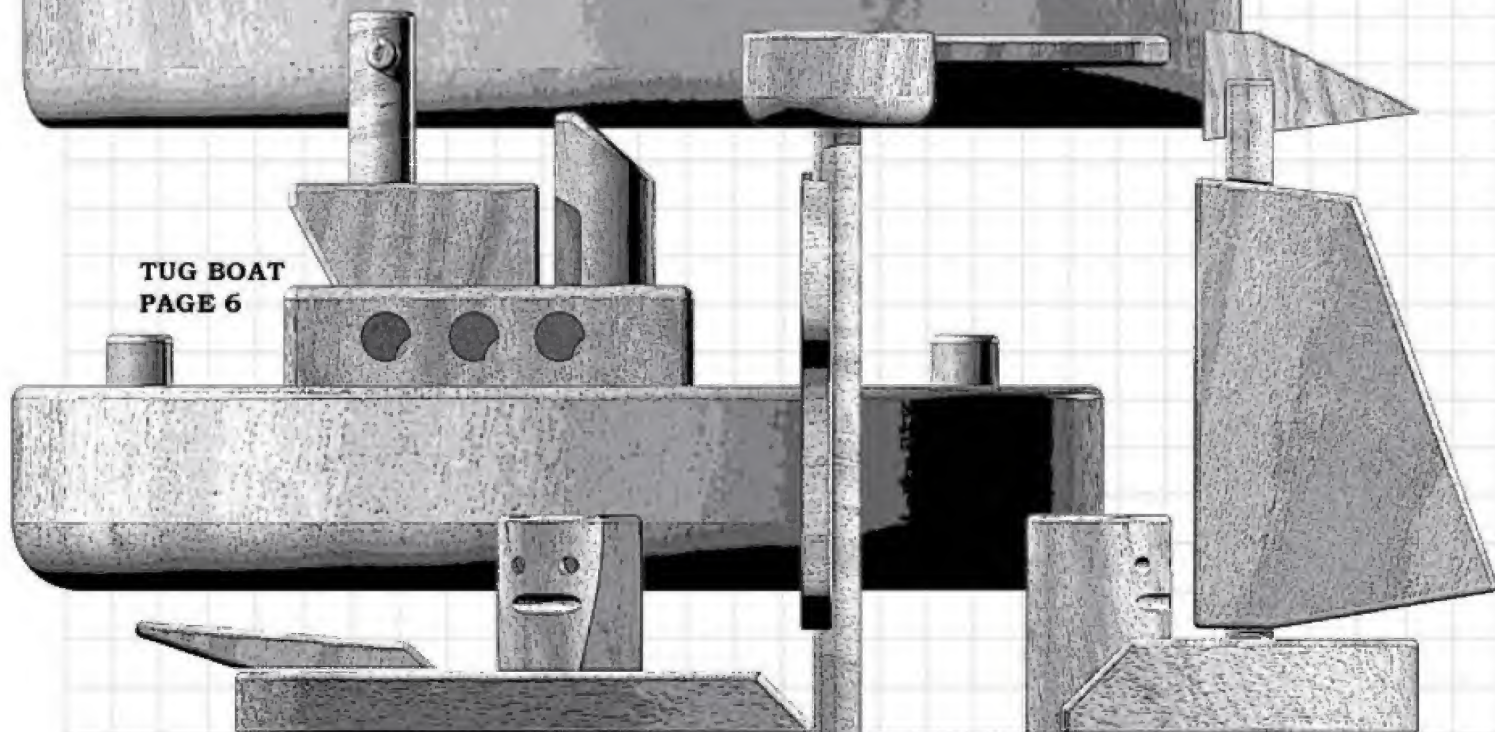
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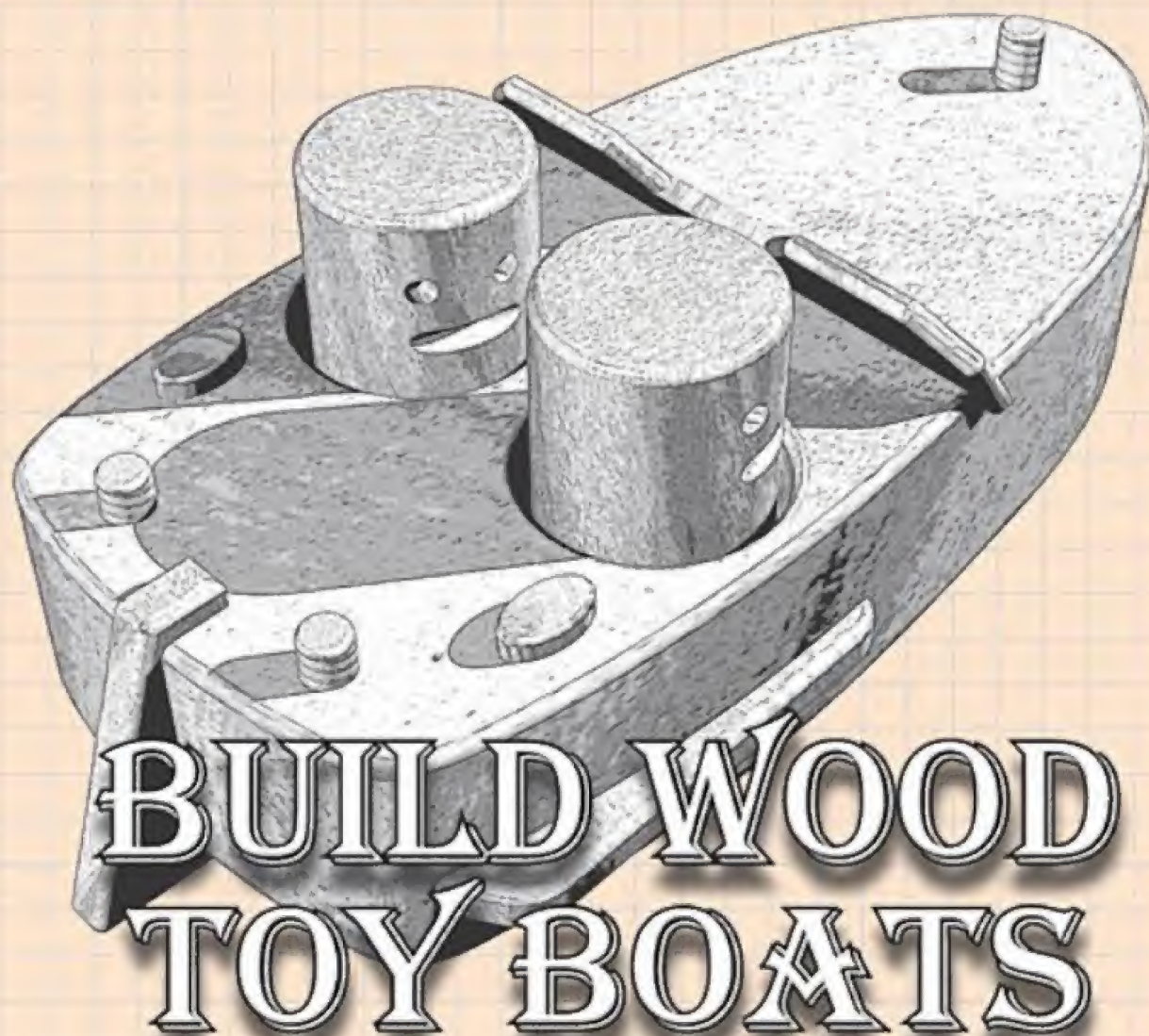
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BARGE  
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THE TOYMAKER'S SKETCH BOOK



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